

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: December 5, 2003, 03:05:48 ; Search time 19 Seconds
(without alignments)
55.672 Million cell updates/sec

Title: US-09-913-524-1

Perfect score: 143
Sequence: 1 PWSPALRLQRPPEPAHANCHR 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/prodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/1aa/backfillseq.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------------------------|
| 1 | 143 | 100.0 | 351 | 1 | US-08-197-792-39 Sequence 39, Appl |
| 2 | 143 | 100.0 | 351 | 1 | US-08-459-850-39 Sequence 39, Appl |
| 3 | 143 | 100.0 | 351 | 1 | US-08-459-214-39 Sequence 39, Appl |
| 4 | 131 | 91.6 | 364 | 1 | US-08-197-792-29 Sequence 29, Appl |
| 5 | 131 | 91.6 | 364 | 1 | US-08-459-850-29 Sequence 29, Appl |
| 6 | 131 | 91.6 | 364 | 1 | US-08-459-214-29 Sequence 29, Appl |
| 7 | 110 | 76.9 | 122 | 1 | US-08-581-529B-16 Sequence 16, Appl |
| 8 | 110 | 76.9 | 122 | 1 | US-08-455-559-22 Sequence 22, Appl |
| 9 | 110 | 76.9 | 122 | 2 | US-08-525-596B-26 Sequence 26, Appl |
| 10 | 110 | 76.9 | 122 | 2 | US-08-581-529A-16 Sequence 16, Appl |
| 11 | 110 | 76.9 | 122 | 3 | US-09-097-616-16 Sequence 16, Appl |
| 12 | 110 | 76.9 | 122 | 3 | US-09-177-860A-26 Sequence 26, Appl |
| 13 | 110 | 76.9 | 122 | 3 | US-08-624-635-18 Sequence 18, Appl |
| 14 | 110 | 76.9 | 122 | 3 | US-09-145-060-22 Sequence 22, Appl |
| 15 | 110 | 76.9 | 122 | 4 | US-09-629-938-26 Sequence 26, Appl |
| 16 | 110 | 76.9 | 122 | 5 | PCT-US94-00657-22 Sequence 22, Appl |
| 17 | 110 | 76.9 | 122 | 5 | PCT-US94-07762-16 Sequence 16, Appl |
| 18 | 110 | 76.9 | 122 | 5 | PCT-US94-07799-16 Sequence 16, Appl |
| 19 | 106 | 74.1 | 121 | 1 | US-08-481-377-20 Sequence 20, Appl |
| 20 | 106 | 74.1 | 121 | 2 | US-08-491-835-18 Sequence 18, Appl |
| 21 | 106 | 74.1 | 121 | 3 | US-09-153-733A-20 Sequence 20, Appl |
| 22 | 106 | 74.1 | 121 | 3 | US-09-446-092A-18 Sequence 18, Appl |
| 23 | 106 | 74.1 | 121 | 3 | US-09-172-062-18 Sequence 18, Appl |
| 24 | 106 | 74.1 | 121 | 4 | US-09-301-520D-18 Sequence 18, Appl |
| 25 | 106 | 74.1 | 121 | 4 | US-09-389-705-20 Sequence 20, Appl |
| 26 | 106 | 74.1 | 121 | 5 | PCT-US94-00666-20 Sequence 20, Appl |
| 27 | 106 | 74.1 | 121 | 5 | PCT-US94-00665-18 Sequence 18, Appl |

| | | | | | | |
|----|------|------|------|---|----------------------|-------------------|
| 28 | 96 | 67.1 | 26 | 1 | US-08-197-792-1 | Sequence 1, Appl |
| 29 | 96 | 67.1 | 26 | 1 | US-08-459-850-1 | Sequence 1, Appl |
| 30 | 96 | 67.1 | 26 | 1 | US-08-459-214-1 | Sequence 1, Appl |
| 31 | 75 | 52.4 | 116 | 1 | US-08-197-792-38 | Sequence 38, Appl |
| 32 | 75 | 52.4 | 116 | 1 | US-08-459-850-38 | Sequence 38, Appl |
| 33 | 75 | 52.4 | 116 | 1 | US-08-459-214-38 | Sequence 38, Appl |
| 34 | 73 | 51.0 | 27 | 2 | US-09-072-323-4 | Sequence 4, Appl |
| 35 | 73 | 51.0 | 28 | 2 | US-09-072-323-6 | Sequence 6, Appl |
| 36 | 63 | 44.1 | 312 | 4 | US-09-252-991A-30114 | Sequence 30114, A |
| 37 | 61 | 42.7 | 101 | 1 | US-08-481-633B-2 | Sequence 2, Appl |
| 38 | 61 | 42.7 | 101 | 1 | US-08-480-493A-2 | Sequence 2, Appl |
| 39 | 61 | 42.7 | 101 | 1 | US-08-482-638A-2 | Sequence 2, Appl |
| 40 | 60 | 42.0 | 145 | 4 | US-09-252-991A-32524 | Sequence 32524, A |
| 41 | 54.5 | 38.1 | 1832 | 3 | US-09-335-409-4 | Sequence 4, Appl |
| 42 | 54.5 | 38.1 | 1832 | 4 | US-09-568-102-4 | Sequence 4, Appl |
| 43 | 54.5 | 38.1 | 1832 | 4 | US-09-567-969-4 | Sequence 4, Appl |
| 44 | 54.5 | 38.1 | 1832 | 4 | US-09-568-480-4 | Sequence 4, Appl |
| 45 | 54.5 | 38.1 | 1832 | 4 | US-09-568-486-4 | Sequence 4, Appl |

ALIGNMENTS

RESULT 1
US-08-197-792-39
Sequence 39, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHANCHR 25
DB 225 PMSPSALRLQRPPEPPAHANCHR 249

RESULT 2
US-08-459-850-39
Sequence 39, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2DS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 39:

INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4.5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHANCHR 25
DB 225 PMSPSALRLQRPPEPPAHANCHR 249

RESULT 3
US-08-459-214-39
Sequence 39, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2DS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4,5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHANCHR 25
DB 225 PMSPSALRLQRPPEPPAHANCHR 249

RESULT 4
US-08-197-792-29
Sequence 29, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:-
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-29

Query Match 91.6%; Score 131; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 2.1e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHADCHR 25
DB 238 PMSPSALRLQRPPEPPAHADCHR 262

RESULT 5
US-08-459-850-29
Sequence 29, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-29

Query Match 91.6%; Score 131; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 2.1e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25
DB 238 PMSPALRLQRPPEPAHANCHR 262

RESULT 6

US-08-459-214-29
; Sequence 29, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 364 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-459-214-29

Query Match 91.6%; Score 131; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 2.1e-10;

Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25
DB 238 PMSPALRLQRPPEPAHANCHR 262

RESULT 7

US-08-581-529B-16
; Sequence 16, Application US/08581529B
; Patent No. 5770444
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-Jin
; APPLICANT: Hyunh, Thanh
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: California
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/581,529B
; FILING DATE: 15-APR-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Lisa A. Haile, Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibin-alpha
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..122
; US-08-581-529B-16

Query Match 76.9%; Score 110; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 8

US-08-455-559-22
; Sequence 22, Application US/08455559
; Patent No. 5801014
; GENERAL INFORMATION:
; APPLICANT: LEE, SE-JIN
; APPLICANT: HUYNH, THANH
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPENSLAY HORN JUBAS & LUBITZ

STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,559
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: WETHERELL, JR., PH.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD2280
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit- α pha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-455-559-22

Query Match 76.9%; Score 110; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAANCHR 25
DB 1 ALRLQRPPEPPAANCHR 20

RESULT 9
US-08-525-596B-26
Sequence 26, Application US/08525596B
Patent No. 5827733
GENERAL INFORMATION:
APPLICANT: Huyhn, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,596B
FILING DATE: 19-SEP-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit- α pha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-525-596B-26

Query Match 76.9%; Score 110; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAANCHR 25
DB 1 ALRLQRPPEPPAANCHR 20

RESULT 10
US-08-581-528A-16
Sequence 16, Application US/08581528A
Patent No. 5986058
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,528A
FILING DATE: 03-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/089,670
FILING DATE: 09-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/081001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-528A-16

Query Match 76.9%; Score 110; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 11
US-09-097-616-16
Sequence 16, Application US/09097616
Patent No. 6090563
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,616
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/581,529
FILING DATE: 15-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-097-616-16

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 6 ALRLQRPPEPAHANCHR 25
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 12
US-09-177-860A-26
Sequence 26, Application US/09177860A
Patent No. 6096506
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860A
FILING DATE: 23-OCT-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D, Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-177-860A-26

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 13
US-08-624-635-18
Sequence 18, Application US/08624635
Patent No. 6204047
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Cunningham, No. 6204047een
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Juhas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California

COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/624,635
FILING DATE: 16-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/134,078
FILING DATE: 08-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Metherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-624-635-18

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 14
US-09-145-060-22
Sequence 22, Application US/09145060
Patent No. 6245896
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/145,060
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,559
FILING DATE: 31-MAY-1995
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
US-09-145-060-22

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 15
US-09-629-938-26
Sequence 26, Application US/09629938
Patent No. 6500664
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION
FACTOR-8 AND METHODS OF USING SAME (Amended)
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/629,938
FILING DATE: 01-Aug-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/177,860
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D. Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 5, 2003, 05:42:09 ; Search time 141 Seconds
(without alignments)
32.976 Million cell updates/sec

Title: US-09-913-524-1

Perfect score: 143
Sequence: 1 PWSPALRLQRPPEPAHANCHR 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 143 | 100.0 | 134 | 12 | US-10-125-187-2 |
| 2 | 143 | 100.0 | 367 | 10 | US-09-813-398-18 |
| 3 | 110 | 76.9 | 122 | 10 | US-09-813-459-18 |
| 4 | 110 | 76.9 | 122 | 10 | US-09-859-211-44 |
| 5 | 110 | 76.9 | 122 | 10 | US-09-880-708-22 |
| 6 | 110 | 76.9 | 122 | 11 | US-09-872-856-44 |
| 7 | 110 | 76.9 | 122 | 15 | US-10-335-483-26 |
| 8 | 106 | 74.1 | 121 | 14 | US-10-115-406-18 |
| 9 | 106 | 74.1 | 121 | 15 | US-10-154-333-20 |
| 10 | 100 | 69.9 | 26 | 12 | US-09-930-915A-252 |
| 11 | 100 | 69.9 | 26 | 12 | US-10-082-014-74 |
| 12 | 100 | 69.9 | 26 | 12 | US-10-372-076-75 |
| 13 | 80 | 55.9 | 14 | 12 | US-10-125-187-7 |
| 14 | 80 | 55.9 | 14 | 12 | US-10-125-187-41 |
| 15 | 76 | 53.1 | 14 | 12 | US-10-125-187-5 |

| 16 | 76 | 53.1 | 14 | 12 | US-10-125-187-38 | Sequence 38, Appl |
|----|------|------|------|----|---------------------|-------------------|
| 17 | 73 | 51.0 | 14 | 12 | US-10-125-187-39 | Sequence 39, Appl |
| 18 | 72 | 50.3 | 14 | 12 | US-10-125-187-8 | Sequence 8, Appl |
| 19 | 72 | 50.3 | 14 | 12 | US-10-125-187-42 | Sequence 42, Appl |
| 20 | 71 | 49.7 | 14 | 12 | US-10-125-187-37 | Sequence 37, Appl |
| 21 | 70 | 49.0 | 14 | 12 | US-10-125-187-6 | Sequence 6, Appl |
| 22 | 70 | 49.0 | 14 | 12 | US-10-125-187-40 | Sequence 40, Appl |
| 23 | 61 | 42.7 | 101 | 12 | US-10-262-581-2 | Sequence 2, Appl |
| 24 | 59 | 41.3 | 14 | 12 | US-10-125-187-4 | Sequence 4, Appl |
| 25 | 59 | 41.3 | 14 | 12 | US-10-125-187-36 | Sequence 36, Appl |
| 26 | 55.5 | 38.8 | 368 | 9 | US-09-768-703-2 | Sequence 2, Appl |
| 27 | 55.5 | 38.8 | 368 | 12 | US-10-272-983-6 | Sequence 6, Appl |
| 28 | 55.5 | 38.8 | 368 | 12 | US-10-312-094-3 | Sequence 3, Appl |
| 29 | 55.5 | 38.8 | 368 | 15 | US-10-393-807-6 | Sequence 6, Appl |
| 30 | 55.5 | 38.8 | 368 | 15 | US-10-225-567A-627 | Sequence 627, App |
| 31 | 55.5 | 38.8 | 368 | 15 | US-10-220-382-4 | Sequence 4, Appl |
| 32 | 54.5 | 38.1 | 1332 | 14 | US-10-014-717-4 | Sequence 4, Appl |
| 33 | 51.5 | 36.0 | 116 | 9 | US-09-864-761-40290 | Sequence 40290, A |
| 34 | 50.5 | 35.3 | 2439 | 14 | US-10-014-717-7 | Sequence 40290, A |
| 35 | 50 | 35.0 | 14 | 12 | US-10-125-187-35 | Sequence 35, Appl |
| 36 | 50 | 35.0 | 454 | 15 | US-10-156-761-13939 | Sequence 13939, A |
| 37 | 50 | 35.0 | 3122 | 12 | US-10-200-562-201 | Sequence 201, App |
| 38 | 50 | 35.0 | 3122 | 12 | US-10-237-551-201 | Sequence 201, App |
| 39 | 50 | 35.0 | 3122 | 12 | US-10-237-551-250 | Sequence 250, App |
| 40 | 49 | 34.3 | 517 | 15 | US-10-156-761-9172 | Sequence 9172, Ap |
| 41 | 49 | 34.3 | 2301 | 11 | US-09-822-871-4 | Sequence 4, Appl |
| 42 | 48.5 | 33.9 | 888 | 11 | US-09-931-836-35 | Sequence 35, Appl |
| 43 | 48.5 | 33.9 | 888 | 12 | US-10-035-977-35 | Sequence 35, Appl |
| 44 | 48.5 | 33.9 | 888 | 12 | US-10-137-870-544 | Sequence 544, App |
| 45 | 48.5 | 33.9 | 888 | 12 | US-10-140-018-544 | Sequence 544, App |

ALIGNMENTS

RESULT 1
US-10-125-187-2
; Sequence 2, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
; US-10-125-187-2

Query Match 100.0%; Score 143; DB 12; Length 134;
Best Local Similarity 100.0%; Pred. No. 1,1e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPPEPAHANCHR 25
DB 8 PWSPALRLQRPPEPAHANCHR 32

RESULT 2
US-09-813-398-18
Sequence 18, Application US/09813398
Patent No. US20020169292A1
GENERAL INFORMATION:
APPLICANT: Bruce D. Weintraub
APPLICANT: Mariusz W. Szkulinski
APPLICANT: University of Maryland
TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
FILE REFERENCE: UOPMD.003CI
CURRENT APPLICATION NUMBER: US/09/813.398
CURRENT FILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: PCT/US99/05908
PRIOR FILING DATE: 1999-03-19
PRIOR APPLICATION NUMBER: PCT/US98/19772
PRIOR FILING DATE: 1998-09-22
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 367
TYPE: PRT
ORGANISM: HOMO SAPIEN
US-09-813-398-18

Query Match 100.0%; Score 143; DB 10; Length 367;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 PWSFSLRLQRPPEPAHANCR 25
DB 241 PWSFSLRLQRPPEPAHANCR 265

RESULT 3
US-09-813-459-18
Sequence 18, Application US/09813459
Patent No. US20020107369A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
Cummingham, No. US20020107369A1
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/813.459
FILING DATE: 20-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/624,635
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single

US-09-813-459-18
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Imbibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPAHANCR 25
DB 1 ALRLQRPPEPAHANCR 20

RESULT 4
US-09-859-211-44
Sequence 44, Application US/09859211
Patent No. US20020157125A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
McPherron, Alexandra C.
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
FILE REFERENCE: 07265/144001
CURRENT APPLICATION NUMBER: US/09/859.211
CURRENT FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: 08/525,596
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: PCT/US94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-859-211-44

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPAHANCR 25
DB 1 ALRLQRPPEPAHANCR 20

RESULT 5
US-09-880-708-22
Sequence 22, Application US/09880708
Patent No. US20020165361A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600

CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121-2189
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,708
FILING DATE: 12-Jun-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/145,060
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858/677-1456
TELEFAX: 619/677-1465
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20
RESULT 6
US-09-872-856-44
Sequence 44, Application US/09872856
Publication No. US20030074680A1
GENERAL INFORMATION:
APPLICANT: Johns Hopkins University School of Medicine
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: Growth Differentiation Factor-8
FILE REFERENCE: JHU1120-17
CURRENT APPLICATION NUMBER: US/09/872,856
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 09/124,180
PRIOR FILING DATE: 1998-07-28
PRIOR APPLICATION NUMBER: US 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: US 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: US 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: US 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: US 08/525,596
PRIOR FILING DATE: 1995-10-25
PRIOR APPLICATION NUMBER: PCT/US 94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: US 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 53

SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-872-856-44

Query Match 76.9%; Score 110; DB 11; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 7
US-10-335-483-26
Sequence 26, Application US/10335483
Publication No. US20030120058A1
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,483
FILING DATE: 31-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Mcetherell, Jr., Ph.D, John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5099
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibitin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-335-483-26

Query Match 76.9%; Score 110; DB 15; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.5e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      6 ALRLQRPPEEPAAHANCHR 25
         |||||
Db      1 ALRLQRPPEEPAAHANCHR 20

```

RESULT 8
US-10-115-406-18

```

Sequence 18, Application US/10,115,406
Publication No. US20020127612A1
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: LEE, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9
FILE REFERENCE: JHU1190-3
CURRENT APPLICATION NUMBER: US/10/115,406
CURRENT FILING DATE: 2002-04-02
PRIOR APPLICATION NUMBER: 09/301,520
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: US 09/172,062
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 08/491,835
PRIOR FILING DATE: 1995-10-23
PRIOR APPLICATION NUMBER: PCT/US94/00685
PRIOR FILING DATE: 1994-01-12
PRIOR APPLICATION NUMBER: US 08/003,303
PRIOR FILING DATE: 1993-01-12
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.0
SEQ ID NO 18
LENGTH: 121
TYPE: prt
ORGANISM: Homo sapiens
US-10-115-406-18

```

| | | | | |
|--------------------------|--------|-------------------|----------|------------|
| Query Match | 74.1% | Score 106 | DB 14 | Length 121 |
| Best Local Similarity | 100.0% | Pred. NO. 4.6e-06 | | |
| Matches 19, Conservative | 0 | Mismatches 0 | Indels 0 | Gaps 0 |

```
QY 7 LRLQRPPEEPAHANCHR 25
    |||||
Db 1 LRLQRPPEEPAHANCHR 19
```

RESULT 9
US-10-154-333-20

Sequence 20, Application US/10154333
Publication No. US20030109684A1
GENERAL INFORMATION:
APPLICANT: JOHNS HOPKINS UNIVERSITY
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-1
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: SPENCLEY HORN JUBAS & LUEITZ
STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/154,333
FILING DATE: 21-May-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/389,705
FILING DATE: 03-Sep-1999
APPLICATION NUMBER: 09/153,733
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: WETHERELL, JR. Ph.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: FD2279 PCT
TELECOMMUNICATION INFORMATION:

```

; INFORMATION FOR SEQ ID NO: 20:
;     SEQUENCE CHARACTERISTICS:

```

```

? LENGTH: 121 amino acids
? TYPE: amino acid
? STANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibin alpha

```

```

; NAME/KEY: Protein
; LOCATION: 1..121
; SEQUENCE DESCRIPTION: SEQ ID NO: 20
US-10-154-333-20

```

| | | | | |
|-----------------------|----------------|--------------|----------|------------|
| Query Match | 74.1% | Score 106 | DB 15 | Length 121 |
| Best Local Similarity | 100.0% | Pred. No. 4 | 6e-06 | |
| Matches 19 | Conservative 0 | Mismatches 0 | Indels 0 | Gaps 0 |

| QY | 7 | LRLLQRPPEEPAHANCHR | 25 |
|----|---|--------------------|----|
| | | | |
| Db | 1 | LRLLQRPPEEPAHANCHR | 19 |

RESULT 10
US-09-930-915A-252

Sequence 252, Application US/09930915A
Publication No. US20030138769A1
GENERAL INFORMATION:
APPLICANT: Birkett, Ashley J.
TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
TITLE OF INVENTION: STABILITY
FILE REFERENCE: 4564/83501 ICC-102.2 PCT
CURRENT APPLICATION NUMBER: US/09/930, 915A
CURRENT FILING DATE: 2001-08-15
PRIOR APPLICATION NUMBER: 60/226, 867
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225, 843
PRIOR FILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 313
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 252
LENGTH: 26
TYPE: PRT
ORGANISM: Bos taurus
US-09-930-915A-252

| | | | | |
|-----------------------|----------------|--------------|----------|-----------|
| Query Match | 69.9% | Score 100 | DB 12 | Length 26 |
| Best Local Similarity | 94.7% | Pred. NC | 6.2e-06 | |
| Matches 18 | Conservative 1 | Mismatches 0 | Indels 0 | Gaps 0 |

| | | | |
|----|---|----------------------|----|
| QY | 1 | PWSPSALRLQLQRPPEEPAA | 19 |
| | | : | |
| Db | 8 | PWSPALRLQLQRPPEEPAA | 26 |

RESULT 11
US-10-082-014-74

```

: Sequence 74 Application US/10082014
: Publication No. US20030185858A1
:
: GENERAL INFORMATION:
: APPLICANT: Birtect, Ashley J.
: TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CYSE
:
: FILE REFERENCE: ICC-130.0.4564/85124
: CURRENT APPLICATION NUMBER: US/10/082,014
: CURRENT FILING DATE: 2002-02-22
: PRIOR APPLICATION NUMBER: 09/930,915
:

```


PRIOR FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 290
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 74
LENGTH: 26
TYPE: PRT
ORGANISM: Bovine Inhibin
US-10-082-014-74

Query Match 69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 6.2e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEEPA 19
|||:|||||
DB 8 PMSPALRLQRPPEEPA 26

RESULT 12
US-10-372-076-75
Sequence 75, Application US/10372076
Publication No. US20030198645A1
GENERAL INFORMATION:
APPLICANT: Page, Mark
APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/080,299
PRIOR FILING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: 10/082,014
PRIOR FILING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 308
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 75
LENGTH: 26
TYPE: PRT
ORGANISM: Bovine Inhibin
US-10-372-076-75

Query Match 69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 6.2e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEEPA 19
|||:|||||
DB 8 PMSPALRLQRPPEEPA 26

RESULT 13
US-10-125-187-7
Sequence 7, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 7

LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 7 of
US-10-125-187-7

Query Match 55.9%; Score 80; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LQRPPEEPAHANC 23
|||:|||||
DB 1 LQRPPEEPAHANC 14

RESULT 14
US-10-125-187-41
Sequence 41, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 41
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 8 of
US-10-125-187-41

Query Match 55.9%; Score 80; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LQRPPEEPAHANC 23
|||:|||||
DB 1 LQRPPEEPAHANC 14

RESULT 15
US-10-125-187-5
Sequence 5, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03

```

; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
; OTHER INFORMATION: TABLE 1
US-10-125-187-5

```

```

Query Match      53.1%; Score 76; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      2 WSPSALRLQRPPE 15
        |||||
Db      1 WSPSALRLQRPPE 14

```

Search completed: December 5, 2003, 06:24:56
 Job time : 142 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 5, 2003, 03:05:48 ; Search time 19 Seconds
(Without alignments)
55.672 Million cell updates/sec

Title: US-09-913-524-9

Perfect score: 143

Sequence: 1 PMSPALRLQRPPEPSAHAFCHR 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 128 | 89.5 | 351 | 1 US-08-197-792-39 | Sequence 39, Appl |
| 2 | 128 | 89.5 | 351 | 1 US-08-459-850-39 | Sequence 39, Appl |
| 3 | 128 | 89.5 | 351 | 1 US-08-459-214-39 | Sequence 39, Appl |
| 4 | 127 | 88.8 | 364 | 1 US-08-197-792-29 | Sequence 29, Appl |
| 5 | 127 | 88.8 | 364 | 1 US-08-459-850-29 | Sequence 29, Appl |
| 6 | 127 | 88.8 | 364 | 1 US-08-459-214-29 | Sequence 29, Appl |
| 7 | 98 | 68.5 | 122 | 1 US-08-581-5298-16 | Sequence 16, Appl |
| 8 | 98 | 68.5 | 122 | 1 US-08-455-559-22 | Sequence 22, Appl |
| 9 | 98 | 68.5 | 122 | 2 US-08-525-5968-26 | Sequence 26, Appl |
| 10 | 98 | 68.5 | 122 | 2 US-08-581-5284-16 | Sequence 16, Appl |
| 11 | 98 | 68.5 | 122 | 3 US-09-097-816-16 | Sequence 16, Appl |
| 12 | 98 | 68.5 | 122 | 3 US-09-177-8604-26 | Sequence 26, Appl |
| 13 | 98 | 68.5 | 122 | 3 US-08-624-635-18 | Sequence 18, Appl |
| 14 | 98 | 68.5 | 122 | 3 US-09-145-060-22 | Sequence 22, Appl |
| 15 | 98 | 68.5 | 122 | 4 US-09-629-938-26 | Sequence 26, Appl |
| 16 | 98 | 68.5 | 122 | 5 PCT-US94-00657-22 | Sequence 22, Appl |
| 17 | 98 | 68.5 | 122 | 5 PCT-US94-07762-16 | Sequence 16, Appl |
| 18 | 98 | 68.5 | 122 | 5 PCT-US94-07799-16 | Sequence 16, Appl |
| 19 | 96 | 67.1 | 26 | 1 US-08-197-792-1 | Sequence 1, Appl |
| 20 | 96 | 67.1 | 26 | 1 US-08-459-850-1 | Sequence 1, Appl |
| 21 | 96 | 67.1 | 26 | 1 US-08-459-214-1 | Sequence 1, Appl |
| 22 | 94 | 65.7 | 121 | 1 US-08-481-377-20 | Sequence 20, Appl |
| 23 | 94 | 65.7 | 121 | 2 US-08-481-835-18 | Sequence 18, Appl |
| 24 | 94 | 65.7 | 121 | 3 US-08-153-733A-20 | Sequence 20, Appl |
| 25 | 94 | 65.7 | 121 | 3 US-08-946-092A-18 | Sequence 18, Appl |
| 26 | 94 | 65.7 | 121 | 3 US-09-172-062-18 | Sequence 18, Appl |
| 27 | 94 | 65.7 | 121 | 4 US-09-301-520D-18 | Sequence 18, Appl |

| | | | | | |
|----|------|------|------|------------------------|-------------------|
| 28 | 94 | 65.7 | 121 | 4 US-09-389-705-20 | Sequence 20, Appl |
| 29 | 94 | 65.7 | 121 | 5 PCT-US94-00666-20 | Sequence 20, Appl |
| 30 | 94 | 65.7 | 121 | 5 PCT-US94-00685-18 | Sequence 18, Appl |
| 31 | 73 | 51.0 | 27 | 2 US-09-072-323-4 | Sequence 4, Appl |
| 32 | 73 | 51.0 | 28 | 2 US-09-072-323-6 | Sequence 6, Appl |
| 33 | 68 | 47.6 | 116 | 1 US-08-197-792-38 | Sequence 38, Appl |
| 34 | 68 | 47.6 | 116 | 1 US-08-459-850-38 | Sequence 38, Appl |
| 35 | 68 | 47.6 | 116 | 1 US-08-459-214-38 | Sequence 38, Appl |
| 36 | 58 | 40.6 | 312 | 4 US-09-252-991A-30114 | Sequence 30114, A |
| 37 | 55.5 | 38.8 | 1832 | 3 US-09-335-409-4 | Sequence 4, Appl |
| 38 | 55.5 | 38.8 | 1832 | 4 US-09-568-102-4 | Sequence 4, Appl |
| 39 | 55.5 | 38.8 | 1832 | 4 US-09-567-969-4 | Sequence 4, Appl |
| 40 | 55.5 | 38.8 | 1832 | 4 US-09-568-480-4 | Sequence 4, Appl |
| 41 | 55.5 | 38.8 | 1832 | 4 US-09-568-486-4 | Sequence 4, Appl |
| 42 | 55.5 | 38.8 | 1832 | 4 US-09-568-472-4 | Sequence 4, Appl |
| 43 | 55.5 | 38.8 | 1832 | 4 US-09-567-899-4 | Sequence 4, Appl |
| 44 | 54 | 37.8 | 145 | 4 US-09-252-991A-32524 | Sequence 32524, A |
| 45 | 53 | 37.1 | 470 | 4 US-09-252-991A-19467 | Sequence 19467, A |

ALIGNMENTS

RESULT 1
US-08-197-792-39
Sequence 39, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUN-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-197-792-39

Query Match 89.5%; Score 128; DB 1; Length 351;
Best Local Similarity 88.0%; Pred. No. 1.3e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Cy 1 PMSPALRLQRPPEPSAFAFCH 25
Db 225 PMSPALRLQRPPEPSAFAFCH 249

RESULT 2
US-08-459-850-39
; Sequence 39, Application US/08459850
; Patent No. 5665568
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,850
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Haasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2DS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168

; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-459-850-39

Query Match 89.5%; Score 128; DB 1; Length 351;
Best Local Similarity 88.0%; Pred. No. 1.3e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Cy 1 PMSPALRLQRPPEPSAFAFCH 25
Db 225 PMSPALRLQRPPEPSAFAFCH 249

RESULT 3
US-08-459-214-39
; Sequence 39, Application US/08459214
; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Haasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2DS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-39

Query Match 89.5%; Score 128; DB 1; Length 351;
Best Local Similarity 88.0%; Pred. No. 1.3e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25
DB 225 PMSPALRLQRPPEPSAHAFCHR 249

RESULT 4
US-08-197-792-29
Sequence 29, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-29

Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.8e-10;
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25
DB 238 PMSPALRLQRPPEPSAHAFCHR 262

RESULT 5
US-08-459-850-29
Sequence 29, Application US/08459850
Patent No. 5665568

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D5

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 364 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-459-850-29

Query Match 88.8%; Score 127; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 1.8e-10;
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLRPPPEPSAHAFCHR 25
DB 238 PMSPALRLRPPPEPSAHAFCHR 262

RESULT 6

US-08-459-214-29
Sequence 29, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-29

Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.8e-10;

Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLRPPPEPSAHAFCHR 25
DB 238 PMSPALRLRPPPEPSAHAFCHR 262

RESULT 7

US-08-581-529B-16
Sequence 16, Application US/08581529B
Patent No. 5770444
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,529B
FILING DATE: 15-APR-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-529B-16

Query Match 68.5%; Score 98; DB 1; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

STREET: 1890 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,559
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: WETHERELL, JR. PH.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD2280
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-455-559-22

Query Match 68.5%; Score 98; DB 1; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 9
US-08-525-596B-26
Sequence 26, Application US/08525596B
Patent No. 5827733
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,596B
FILING DATE: 19-SEP-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D, John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-525-596B-26

Query Match 68.5%; Score 98; DB 2; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 10
US-08-581-528A-16
Sequence 16, Application US/08581528A
Patent No. 5986058
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,528A
FILING DATE: 03-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/089,670
FILING DATE: 09-JUL-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/081001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-528A-16

Query Match 68.5%; Score 98; DB 2; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11
US-09-097-616-16
Sequence 16, Application US/09097616
Patent No. 6090563
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,616
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/581,529
FILING DATE: 15-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallie, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-097-616-16

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 12
US-09-177-860A-26
Sequence 26, Application US/09177860A
Patent No. 6096506

GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860A
FILING DATE: 23-OCT-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hallie, Ph.D, Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-177-860A-26

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 13
US-08-624-635-18
Sequence 18, Application US/08624635
Patent No. 6204047
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Cunningham, No. 6204047een
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jupas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California

COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/06/624,635
FILING DATE: 16-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/134,078
FILING DATE: 08-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-06-624-635-18

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7,7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCH 25
DB 1 ALRLQRPPEPSAFAFCH 20

RESULT 14
US-09-145-060-22
Sequence 22, Application US/09145060
Patent No. 6245896
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/145,060
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,559
FILING DATE: 31-MAY-1995
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
US-09-145-060-22

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7,7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCH 25
DB 1 ALRLQRPPEPSAFAFCH 20

RESULT 15
US-09-629-938-26
Sequence 26, Application US/09629938
Patent No. 650064
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION
FACTOR-8 AND METHODS OF USING SAME (Amended)
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/629,938
FILING DATE: 01-AUG-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/177,860
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122

SEQUENCE DESCRIPTION: SEQ ID NO: 26;
US-09-629-938-26

Query Match 68.5%; Score 98; DB 4; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCNR 25
|||
1 ALRLQRPPEPSAHAFCNR 20

Search completed: December 5, 2003, 06:11:18
Job time : 19 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 5, 2003, 05:42:09 ; Search time 141 Seconds
(without alignments)
32.976 Million cell updates/sec

Title: US-09-913-524-9

Perfect score: 143

Sequence: 1 PWSPALRLQRPEPSAHAFCHR 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US05_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US04_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US03_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US02_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US01_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US00_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US05_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US04_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US03_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US02_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US01_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US00_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 128 | 89.5 | 134 | 12 | US-10-125-187-2 |
| 2 | 128 | 89.5 | 367 | 10 | US-09-813-398-18 |
| 3 | 100 | 69.9 | 26 | 12 | US-09-930-915A-252 |
| 4 | 100 | 69.9 | 26 | 12 | US-10-082-014-74 |
| 5 | 100 | 69.9 | 26 | 12 | US-10-372-076-75 |
| 6 | 98 | 68.5 | 122 | 10 | US-09-813-459-18 |
| 7 | 98 | 68.5 | 122 | 10 | US-09-859-211-44 |
| 8 | 98 | 68.5 | 122 | 10 | US-09-880-708-22 |
| 9 | 98 | 68.5 | 122 | 11 | US-09-872-856-44 |
| 10 | 98 | 68.5 | 122 | 11 | US-10-335-483-26 |
| 11 | 94 | 65.7 | 121 | 14 | US-10-115-406-18 |
| 12 | 94 | 65.7 | 121 | 15 | US-10-154-333-20 |
| 13 | 73 | 51.0 | 14 | 12 | US-10-125-187-5 |
| 14 | 73 | 51.0 | 14 | 12 | US-10-125-187-38 |
| 15 | 70 | 49.0 | 14 | 12 | US-10-125-187-39 |

| | | | | | | |
|----|------|------|------|----|---------------------|-----------------------|
| 16 | 68 | 47.6 | 14 | 12 | US-10-125-187-7 | Sequence 7, Appl1 |
| 17 | 68 | 47.6 | 14 | 12 | US-10-125-187-37 | Sequence 37, Appl1 |
| 18 | 68 | 47.6 | 14 | 12 | US-10-125-187-41 | Sequence 41, Appl1 |
| 19 | 67 | 46.9 | 14 | 12 | US-10-125-187-6 | Sequence 6, Appl1 |
| 20 | 67 | 46.9 | 14 | 12 | US-10-125-187-40 | Sequence 40, Appl1 |
| 21 | 60 | 42.0 | 14 | 12 | US-10-125-187-8 | Sequence 8, Appl1 |
| 22 | 60 | 42.0 | 14 | 12 | US-10-125-187-42 | Sequence 42, Appl1 |
| 23 | 56 | 39.2 | 14 | 12 | US-10-125-187-4 | Sequence 4, Appl1 |
| 24 | 56 | 39.2 | 14 | 12 | US-10-125-187-36 | Sequence 36, Appl1 |
| 25 | 55.5 | 38.8 | 1332 | 14 | US-10-014-717-4 | Sequence 4, Appl1 |
| 26 | 52.5 | 36.7 | 368 | 9 | US-09-768-703-2 | Sequence 2, Appl1 |
| 27 | 52.5 | 36.7 | 368 | 12 | US-10-272-983-6 | Sequence 6, Appl1 |
| 28 | 52.5 | 36.7 | 368 | 12 | US-10-312-094-3 | Sequence 3, Appl1 |
| 29 | 52.5 | 36.7 | 368 | 15 | US-10-393-807-6 | Sequence 6, Appl1 |
| 30 | 52.5 | 36.7 | 368 | 15 | US-10-225-567A-627 | Sequence 627, Appl1 |
| 31 | 52.5 | 36.7 | 368 | 15 | US-10-220-382-4 | Sequence 4, Appl1 |
| 32 | 51 | 35.7 | 378 | 15 | US-10-103-313-434 | Sequence 434, Appl1 |
| 33 | 51 | 35.7 | 1018 | 15 | US-10-128-714-3585 | Sequence 3585, Appl1 |
| 34 | 51 | 35.7 | 1018 | 15 | US-10-128-714-8585 | Sequence 8585, Appl1 |
| 35 | 50.5 | 35.3 | 2439 | 14 | US-10-014-717-7 | Sequence 7, Appl1 |
| 36 | 50 | 35.0 | 454 | 15 | US-10-156-761-13939 | Sequence 13939, Appl1 |
| 37 | 49 | 34.3 | 50 | 10 | US-09-998-667-11 | Sequence 11, Appl1 |
| 38 | 49 | 34.3 | 92 | 12 | US-10-195-730-363 | Sequence 363, Appl1 |
| 39 | 49 | 34.3 | 101 | 12 | US-10-262-581-2 | Sequence 2, Appl1 |
| 40 | 49 | 34.3 | 145 | 12 | US-10-021-718-2 | Sequence 2, Appl1 |
| 41 | 49 | 34.3 | 228 | 15 | US-09-998-667-8 | Sequence 8, Appl1 |
| 42 | 49 | 34.3 | 228 | 15 | US-10-205-823-455 | Sequence 455, Appl1 |
| 43 | 49 | 34.3 | 231 | 9 | US-09-925-301-1306 | Sequence 1306, Appl1 |
| 44 | 49 | 34.3 | 231 | 10 | US-09-764-864-837 | Sequence 837, Appl1 |
| 45 | 49 | 34.3 | 231 | 10 | US-09-764-864-1292 | Sequence 1292, Appl1 |

ALIGNMENTS

RESULT 1
US-10-125-187-2
; Sequence 2, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHILL, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
; US-10-125-187-2

Query Match 89.5%; Score 128; DB 12; Length 134;
Best Local Similarity 88.0%; Pred. No. 6.5e-09;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPEPSAHAFCHR 25
DB 8 PWSPALRLQRPEPSAHAFCHR 32

```
RESULT 2
US-09-813-398-18
; Sequence 18, Application US/09813398
; Patent No. US20020169292A1
; GENERAL INFORMATION:
; APPLICANT: Bruce D. Weintraub
; APPLICANT: Mariusz W. Szkulinski
; APPLICANT: University of Maryland
; TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS.
; FILE REFERENCE: UDFMD.003C1
; CURRENT APPLICATION NUMBER: US/09/813.398
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: PCT/US99/05908
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: PCT/US98/19772
; PRIOR FILING DATE: 1998-09-22
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 367
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
US-09-813-398-18

Query Match      89.5%; Score 128; DB 10; Length 367;
Best Local Similarity 88.0%; Pred. No. 1.7e-08;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSAHC 25
Db      241 PMSPALRLQRPPEPSAHC 265

RESULT 3
US-09-930-915A-252
; Sequence 252, Application US/09930915A
; Publication No. US20030138769A1
; GENERAL INFORMATION:
; APPLICANT: Bickett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
; TITLE OF INVENTION: STABILITY
; FILE REFERENCE: 4564/83501 ICC-102.2 PCT
; CURRENT APPLICATION NUMBER: US/09/930.915A
; CURRENT FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/226,867
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,843
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 313
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 252
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-930-915A-252

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 4
US-10-082-014-74
; Sequence 74, Application US/10082014
; Publication No. US20030185858A1
; GENERAL INFORMATION:
; APPLICANT: Bickett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CY
; FILE REFERENCE: ICC-130.0 4564/85124
```

```
; CURRENT APPLICATION NUMBER: US/10/082,014
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 09/930,915
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-082-014-74

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 5
US-10-372-076-75
; Sequence 75, Application US/10372076
; Publication No. US20030198645A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; APPLICANT: Friede, Martin
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/372,076
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-372-076-75

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 6
US-09-813-459-18
; Sequence 18, Application US/09813459
; Patent No. US20020107369A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; APPLICANT: Cunningham, No. US20020107369A1
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
```

```
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/813,459
FILING DATE: 20-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/624,635
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-813-459-18

Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
      |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 7
US-09-859-211-44
; Sequence 44, Application US/09859211
; Patent No. US20020157125A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
; FILE REFERENCE: 07265/144001
; CURRENT APPLICATION NUMBER: US/09/859,211
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/019,070
; FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 08/862,445
; FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 08/847,910
; FILING DATE: 1997-04-28
; PRIOR APPLICATION NUMBER: 08/795,071
; FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: 08/525,596
; FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: PCT/US94/03019
; FILING DATE: 1994-03-18
; PRIOR APPLICATION NUMBER: 08/033,923
; FILING DATE: 1993-03-19
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-859-211-44
```

```
Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
      |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 8
US-09-880-708-22
; Sequence 22, Application US/09880708
; Patent No. US20020165361A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; HUYUN, THANH
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Gray Cary Ware & Freidenrich LLP
; STREET: 4365 Executive Drive, Suite 1600
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121-2189
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,708
; FILING DATE: 12-Jun-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/145,060
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/003,144
; FILING DATE: 12-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lisa A. Haile, Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/057002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 858/677-1456
; TELEFAX: 619/677-1465
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibit-alpha
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22

Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
      |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 9
US-09-872-856-44
; Sequence 44, Application US/09872856
; Publication No. US20030074680A1
; GENERAL INFORMATION:
; APPLICANT: Johns Hopkins University School of Medicine
; APPLICANT: Lee, Se-jin
; APPLICANT: McPherron, Alexandra
```

TITLE OF INVENTION: Growth Differentiation Factor-8
FILE REFERENCE: JH0120-17
CURRENT APPLICATION NUMBER: US/09/872,856
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 09/124,180
PRIOR FILING DATE: 1998-07-28
PRIOR APPLICATION NUMBER: US 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: US 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: US 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: US 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: US 08/525,596
PRIOR FILING DATE: 1995-10-25
PRIOR APPLICATION NUMBER: PCT/US 94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: US 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 53
SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-872-856-44

Query Match 68.5%; Score 98; DB 11; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||:|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 10
US-10-335-483-26
Sequence 26, Application US/10335483
Publication No. US20030120058A1
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,483
FILING DATE: 31-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-335-483-26

Query Match 68.5%; Score 98; DB 15; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||:|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11
US-10-115-406-18
Sequence 18, Application US/10115406
Publication No. US20020127612A1
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
LEE, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9
FILE REFERENCE: JH0190-3
CURRENT APPLICATION NUMBER: US/10/115,406
CURRENT FILING DATE: 2002-04-02
PRIOR APPLICATION NUMBER: 09/301,520
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: US 09/172,062
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 08/491,835
PRIOR FILING DATE: 1995-10-23
PRIOR APPLICATION NUMBER: PCT/US94/00685
PRIOR FILING DATE: 1994-01-12
PRIOR APPLICATION NUMBER: US 08/003,303
PRIOR FILING DATE: 1993-01-12
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.0
SEQ ID NO 18
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-10-115-406-18

Query Match 65.7%; Score 94; DB 14; Length 121;
Best Local Similarity 89.5%; Pred. No. 0.00012;
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 LRLQRPPEPSAHAFCHR 25
|||||:|||||
Db 1 LRLQRPPEPSAHAFCHR 19

RESULT 12
US-10-154-333-20
Sequence 20, Application US/10154333
Publication No. US20030109684A1
GENERAL INFORMATION:
APPLICANT: JOHNS HOPKINS UNIVERSITY
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-3
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:

ADDRESSEE: SPENSLEY HORN JUBAS & LUBITZ
STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/154,333
FILING DATE: 21-May-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/389,705
FILING DATE: 03-Sep-1999
APPLICATION NUMBER: 09/153,733
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: WETHERELL, JR. Ph.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: FD2279 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 121 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..121
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-154-333-20
Query Match 65.7%; Score 94; DB 15; Length 121;
Best Local Similarity 89.5%; Pred. No. 0.00012;
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 7 LRLLQRPPEPSAHAFCHR 25
DB 1 LRLLQRPPEPSAHAFCHR 19
RESULT 13
US-10-125-187-5
Sequence 5, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin version 3.1
SEQ ID NO 5

LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
US-10-125-187-5
Query Match 51.0%; Score 73; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. No. 0.0075;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 2 WSPALRLQRPPE 15
DB 1 WSPALRLQRPPE 14
RESULT 14
US-10-125-187-38
Sequence 38, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin version 3.1
SEQ ID NO 38
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
US-10-125-187-38
Query Match 51.0%; Score 73; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. No. 0.0075;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 2 WSPALRLQRPPE 15
DB 1 WSPALRLQRPPE 14
RESULT 15
US-10-125-187-39
Sequence 39, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: AU PQ 3485
 ; PRIOR FILING DATE: 1999-10-18
 ; NUMBER OF SEQ ID NOS: 77
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 39
 ; LENGTH: 14
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 6 of
 ; OTHER INFORMATION: TABLE 7
 US-10-125-187-39

Query Match 49.0%; Score 70; DB 12; Length 14;
 Best Local Similarity 92.9%; Pred. No. 0.018;
 Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 PAALRLQRPPEP 17
 | : |||||
 Db 1 PSALRLQRPPEP 14

Search completed: December 5, 2003, 06:24:56
 Job time : 141 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 37.6899 Seconds
(without alignments)
398.171 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34

Sequence: 1 aggcctccgaggaacccgctgccatgccaact 34

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues 1139956

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/prodata/1/ina/5A_COMB.seq:*

4: /cgn2_6/prodata/1/ina/5B_COMB.seq:*

5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq:*

6: /cgn2_6/prodata/1/ina/backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB | ID | Description |
|------------|-------|-------------|--------|----|----------------------|--------------------|
| 1 | 34 | 100.0 | 1237 | 1 | US-08-197-792-40 | Sequence 40, Appl |
| 2 | 34 | 100.0 | 1237 | 1 | US-08-459-850-40 | Sequence 40, Appl |
| 3 | 34 | 100.0 | 1237 | 1 | US-08-459-214-40 | Sequence 40, Appl |
| 4 | 24.4 | 71.8 | 1343 | 1 | US-08-197-792-30 | Sequence 30, Appl |
| 5 | 24.4 | 71.8 | 1343 | 1 | US-08-459-850-30 | Sequence 30, Appl |
| 6 | 24.4 | 71.8 | 1343 | 1 | US-08-459-214-30 | Sequence 30, Appl |
| 7 | 21.8 | 64.1 | 915 | 4 | US-09-252-991A-14968 | Sequence 14968, A |
| 8 | 21.8 | 64.1 | 1011 | 4 | US-09-252-991A-14782 | Sequence 14782, A |
| 9 | 20.2 | 59.4 | 1812 | 4 | US-09-008-097-5 | Sequence 5, Appl |
| 10 | 20.2 | 59.4 | 3549 | 4 | US-09-008-097-5 | Sequence 5, Appl |
| 11 | 20.2 | 59.4 | 4046 | 1 | US-07-793-961A-1 | Sequence 1, Appl |
| 12 | 20.2 | 59.4 | 4046 | 1 | US-08-240-357-1 | Sequence 1, Appl |
| 13 | 20.2 | 59.4 | 4131 | 3 | US-08-726-214-11 | Sequence 11, Appl |
| 14 | 20.2 | 59.4 | 4131 | 3 | US-08-726-214-11 | Sequence 11, Appl |
| 15 | 20.2 | 59.4 | 40123 | 4 | US-09-311-731A-137 | Sequence 137, Appl |
| 16 | 19.6 | 57.6 | 4079 | 4 | US-09-016-434-1412 | Sequence 1412, Ap |
| 17 | 19.4 | 57.1 | 47981 | 4 | US-09-679-279-1 | Sequence 1, Appl |
| 18 | 19.2 | 56.5 | 1386 | 4 | US-09-252-991A-9780 | Sequence 9780, Ap |
| 19 | 19 | 55.9 | 1500 | 5 | PCT-US95-05966-1 | Sequence 1, Appl |
| 20 | 19 | 55.9 | 1500 | 5 | PCT-US95-05966-1 | Sequence 1, Appl |
| 21 | 18.8 | 55.3 | 951 | 4 | US-09-252-991A-16386 | Sequence 16386, A |
| 22 | 18.8 | 55.3 | 1092 | 4 | US-09-252-991A-16212 | Sequence 16212, A |
| 23 | 18.8 | 55.3 | 1311 | 4 | US-09-252-991A-16493 | Sequence 16493, A |
| 24 | 18.8 | 55.3 | 1376 | 4 | US-09-443-184-44 | Sequence 44, Appl |
| 25 | 18.8 | 55.3 | 1390 | 4 | US-09-405-258-124 | Sequence 124, Appl |
| 26 | 18.8 | 55.3 | 1530 | 4 | US-09-252-991A-16005 | Sequence 16005, A |
| 27 | 18.8 | 55.3 | 4648 | 4 | US-09-620-312D-464 | Sequence 464, App |

ALIGNMENTS

| | | | | | | |
|----|------|------|-------|---|---------------------|--------------------|
| 28 | 18.6 | 54.7 | 516 | 5 | PCT-US95-02795A-3 | Sequence 3, Appl |
| 29 | 18.6 | 54.7 | 521 | 1 | US-08-481-633B-1 | Sequence 1, Appl |
| 30 | 18.6 | 54.7 | 521 | 1 | US-08-481-633B-1 | Sequence 1, Appl |
| 31 | 18.6 | 54.7 | 521 | 1 | US-08-482-638A-1 | Sequence 1, Appl |
| 32 | 18.6 | 54.7 | 531 | 5 | PCT-US95-02795A-1 | Sequence 1, Appl |
| 33 | 18.6 | 54.7 | 840 | 4 | US-09-529-727-1 | Sequence 7911, Ap |
| 34 | 18.6 | 54.7 | 1059 | 4 | US-09-252-991A-7911 | Sequence 7911, Ap |
| 35 | 18.6 | 54.7 | 1338 | 4 | US-09-252-991A-7764 | Sequence 7764, Ap |
| 36 | 18.6 | 54.7 | 1494 | 4 | US-09-252-991A-7568 | Sequence 7568, Ap |
| 37 | 18.6 | 54.7 | 4473 | 3 | US-08-894-173-1 | Sequence 1, Appl |
| 38 | 18.6 | 54.7 | 4473 | 3 | US-09-398-193-1 | Sequence 1, Appl |
| 39 | 18.6 | 54.7 | 45546 | 4 | US-09-146-053-6 | Sequence 6, Appl |
| 40 | 18.4 | 54.1 | 176 | 4 | US-09-397-787-331 | Sequence 331, Appl |
| 41 | 18.4 | 54.1 | 613 | 2 | US-08-658-633-11 | Sequence 11, Appl |
| 42 | 18.4 | 54.1 | 613 | 3 | US-08-944-604-11 | Sequence 11, Appl |
| 43 | 18.4 | 54.1 | 903 | 3 | US-08-944-604-15 | Sequence 15, Appl |
| 44 | 18.4 | 54.1 | 1607 | 4 | US-09-853-768-13 | Sequence 13, Appl |
| 45 | 18.4 | 54.1 | 2497 | 4 | US-09-396-149-1 | Sequence 1, Appl |

RESULT 1
US-08-197-792-40
Sequence 40, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 34
DB 708 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 741

RESULT 2

US-08-459-850-40
Sequence 40, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 34
DB 708 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 741

RESULT 3

US-08-459-214-40
Sequence 40, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACCGCTGCCATGCCACT 34
Db 708 AGGCTCCGAGAGAACCGCTGCCATGCCACT 741

RESULT 4
US-08-197-792-30
Sequence 30, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
CLASSIFICATION: 435
FILING DATE: 16-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACCGCTGCCATGCCACT 34
Db 816 AGGCTCCGAGAGAACCGCTGCCATGCCACT 849

RESULT 5
US-08-459-850-30
Sequence 30, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
CLASSIFICATION: 435
FILING DATE: 02-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

1 AGGCTCCGAGAACCGGCTGCCATGCCCACT 34
DB 816 AGGCCCCGAGAACCGGCTGTGCAAGCGCACT 849

RESULT 6
US-08-459-214-30
Sequence 30, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

1 AGGCTCCGAGAACCGGCTGCCATGCCCACT 34
DB 816 AGGCCCCGAGAACCGGCTGTGCAAGCGCACT 849

RESULT 7
US-09-252-991A-14968/c
Sequence 14968, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT FILING DATE: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14968
LENGTH: 915
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14968

Query Match 64.1%; Score 21.8; DB 4; Length 915;
Best Local Similarity 78.8%; Pred. No. 15;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

2 GGCCTCCGAGAACCGGCTGCCATGCCCACT 34
DB 561 GGCCTCCGAGAACCGGCTGCCATGCCCACT 529

RESULT 8
US-09-252-991A-14782
Sequence 14782, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT FILING DATE: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14782
LENGTH: 1011
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14782

Query Match 64.1%; Score 21.8; DB 4; Length 1011;
Best Local Similarity 78.8%; Pred. No. 15;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

2 GGCCTCCGAGAACCGGCTGCCATGCCCACT 34
DB 376 GGCCTCCGAGAACCGGCTGCCATGCCCACT 408

RESULT 9
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSER: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEO for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylan, Tyler M
; REGISTRATION NUMBER: 37,612
; REFERENCE/DOCKET NUMBER: 22000-20567.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1812 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..1812
; OTHER INFORMATION:
US-09-008-097-3

Query Match 59.4%; Score 20.2; DB 4; Length 1812;
Best Local Similarity 75.8%; Pred. No. 58;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAACGGCTGCCATGCCCACT 34
Db 668 GGCTGCCGAGGCGCGGCCGACATGCCCACT 700

RESULT 10
US-09-008-097-5
; Sequence 5, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua

; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSER: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEO for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008,097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylan, Tyler M
; REGISTRATION NUMBER: 37,612
; REFERENCE/DOCKET NUMBER: 22000-20567.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3549 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..3501
; OTHER INFORMATION:
US-09-008-097-5

Query Match 59.4%; Score 20.2; DB 4; Length 3549;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAACGGCTGCCATGCCCACT 34
Db 1301 GGCTGCCGAGGCGCGGCCGACATGCCCACT 1333

RESULT 11
US-07-793-961A-1
; Sequence 1, Application US/0793961A
; Patent No. 5334521
; GENERAL INFORMATION:
; APPLICANT: Yoshihiro Ishikawa
; TITLE OF INVENTION: Cloning and Character-
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Alan M. Gordon
; ADDRESSER: American Cyanamid Company
; STREET: 1937 West Main Street,
; STREET: P.O. Box 60
; CITY: Stamford
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06904
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC AT
; OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII from DNA
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/793,961A
FILING DATE: 19911118
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2719
TELEFAX: 203 321 2971
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs listed
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACGGCTGCCCATGCCCACT 34
DB 1428 GGCTGCCGAGGCCCGGAGACCATGCCCACT 1460

RESULT 12
US-08-240-357-1
Sequence 1, Application US/08240357
Patent No. 5578481
GENERAL INFORMATION:
APPLICANT: Ishikawa, Yoshihiro
TITLE OF INVENTION: Cloning and Characterization of a
TITLE OF INVENTION: Cardiac Adenylyl Cyclase
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESSES:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA
ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/240,357
FILING DATE: 10-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-831-3244
TELEFAX: 201-831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

FEATURE:
NAME/KEY: CDS
LOCATION: 131..3625
US-08-240-357-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACGGCTGCCCATGCCCACT 34
DB 1428 GGCTGCCGAGGCCCGGAGACCATGCCCACT 1460

RESULT 13
US-08-726-214-11
Sequence 11, Application US/08726214
Patent No. 6107076
GENERAL INFORMATION:
APPLICANT: Tang, Wei-Jen
APPLICANT: Gilman, Alfred G.
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,214
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,498
FILING DATE: 04-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: UTSD:450
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 474-7577
TELEFAX: (512) 418-3000
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 4131 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-726-214-11

Query Match 59.4%; Score 20.2; DB 3; Length 4131;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACGGCTGCCCATGCCCACT 34
DB 1353 GGCTGCCGAGGCCCGGAGACCATGCCCACT 1385

RESULT 14
US-09-474-076-1
Sequence 1, Application US/09474076
Patent No. 6465237
GENERAL INFORMATION:
APPLICANT: Tomlinson, James E.

```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999

```

Search completed: December 5, 2003, 03:08:13
Job time : 38.6899 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 455.969 Seconds
(without alignments)
247.829 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34
Sequence: 1 aggcctccgaggaacgcgtccatgcccaact 34

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : Published Applications NA:*

1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/prodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/prodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/prodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/prodata/1/pubpna/PCUS_PUBCOMB.seq:*
7: /cgn2_6/prodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
12: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
13: /cgn2_6/prodata/1/pubpna/US10_PUBCOMB.seq:*
14: /cgn2_6/prodata/1/pubpna/US10_PUBCOMB.seq:*
15: /cgn2_6/prodata/1/pubpna/US10_NEW_PUB.seq:*
16: /cgn2_6/prodata/1/pubpna/US60_NEW_PUB.seq:*
17: /cgn2_6/prodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|------------------------|-------------------|
| 1 | 34 | 100.0 | 405 | 12 US-10-125-187-1 | Sequence 1, Appl |
| 2 | 34 | 100.0 | 1429 | 12 US-09-971-392-18 | Sequence 18, Appl |
| 3 | 34 | 100.0 | 3422 | 11 US-09-764-891-6046 | Sequence 6046, Ap |
| 4 | 34 | 100.0 | 3422 | 11 US-09-764-891-6046 | Sequence 6046, Ap |
| 5 | 34 | 100.0 | 3422 | 14 US-10-091-438-271 | Sequence 271, App |
| 6 | 34 | 100.0 | 3422 | 14 US-10-091-438-271 | Sequence 271, App |
| 7 | 21.8 | 64.1 | 918 | 14 US-10-127-032-41 | Sequence 41, Appl |
| 8 | 21 | 61.8 | 1799 | 12 US-10-127-032-41 | Sequence 36, Appl |
| 9 | 20.4 | 60.0 | 247 | 10 US-09-982-3875 | Sequence 3875, Ap |
| 10 | 20.4 | 60.0 | 1125 | 14 US-10-040-862-3875 | Sequence 3875, Ap |
| 11 | 20.4 | 60.0 | 1125 | 14 US-09-925-300-674 | Sequence 674, App |
| 12 | 20.4 | 60.0 | 2542 | 12 US-10-094-749-380 | Sequence 380, App |
| 13 | 20.4 | 60.0 | 6109 | 12 US-09-795-061-1 | Sequence 1, Appl |
| 14 | 20.2 | 59.4 | 226 | 12 US-10-029-386-19884 | Sequence 19884, A |
| 15 | 20.2 | 59.4 | 500 | 12 US-10-029-386-6153 | Sequence 6153, Ap |
| 16 | 20.2 | 59.4 | 1812 | 10 US-09-750-240-3 | Sequence 3, Appl |

| | | | | | |
|----|------|------|------|---------------------|-------------------|
| 17 | 20.2 | 59.4 | 3192 | 12 US-10-137-870-75 | Sequence 75, Appl |
| 18 | 20.2 | 59.4 | 3192 | 12 US-10-140-018-75 | Sequence 75, Appl |
| 19 | 20.2 | 59.4 | 3192 | 12 US-10-140-021-75 | Sequence 75, Appl |
| 20 | 20.2 | 59.4 | 3192 | 12 US-10-140-021-75 | Sequence 75, Appl |
| 21 | 20.2 | 59.4 | 3192 | 12 US-10-140-274-75 | Sequence 75, Appl |
| 22 | 20.2 | 59.4 | 3192 | 12 US-10-140-471-75 | Sequence 75, Appl |
| 23 | 20.2 | 59.4 | 3192 | 12 US-10-140-807-75 | Sequence 75, Appl |
| 24 | 20.2 | 59.4 | 3192 | 12 US-10-140-924-75 | Sequence 75, Appl |
| 25 | 20.2 | 59.4 | 3192 | 12 US-10-140-924-75 | Sequence 75, Appl |
| 26 | 20.2 | 59.4 | 3192 | 12 US-10-141-698-75 | Sequence 75, Appl |
| 27 | 20.2 | 59.4 | 3192 | 12 US-10-141-702-75 | Sequence 75, Appl |
| 28 | 20.2 | 59.4 | 3192 | 12 US-10-141-704-75 | Sequence 75, Appl |
| 29 | 20.2 | 59.4 | 3192 | 12 US-10-142-421-75 | Sequence 75, Appl |
| 30 | 20.2 | 59.4 | 3192 | 12 US-10-142-432-75 | Sequence 75, Appl |
| 31 | 20.2 | 59.4 | 3192 | 12 US-10-142-767-75 | Sequence 75, Appl |
| 32 | 20.2 | 59.4 | 3192 | 12 US-10-143-033-75 | Sequence 75, Appl |
| 33 | 20.2 | 59.4 | 3192 | 12 US-10-144-994-75 | Sequence 75, Appl |
| 34 | 20.2 | 59.4 | 3192 | 12 US-10-145-628-75 | Sequence 75, Appl |
| 35 | 20.2 | 59.4 | 3192 | 12 US-10-145-631-75 | Sequence 75, Appl |
| 36 | 20.2 | 59.4 | 3192 | 12 US-10-145-633-75 | Sequence 75, Appl |
| 37 | 20.2 | 59.4 | 3192 | 12 US-10-145-746-75 | Sequence 75, Appl |
| 38 | 20.2 | 59.4 | 3192 | 12 US-10-145-748-75 | Sequence 75, Appl |
| 39 | 20.2 | 59.4 | 3192 | 12 US-10-145-823-75 | Sequence 75, Appl |
| 40 | 20.2 | 59.4 | 3192 | 12 US-10-145-826-75 | Sequence 75, Appl |
| 41 | 20.2 | 59.4 | 3192 | 12 US-10-145-870-75 | Sequence 75, Appl |
| 42 | 20.2 | 59.4 | 3192 | 12 US-10-145-876-75 | Sequence 75, Appl |
| 43 | 20.2 | 59.4 | 3192 | 12 US-10-145-959-75 | Sequence 75, Appl |
| 44 | 20.2 | 59.4 | 3192 | 12 US-10-146-724-75 | Sequence 75, Appl |
| 45 | 20.2 | 59.4 | 3192 | 12 US-10-146-725-75 | Sequence 75, Appl |

ALIGNMENTS

RESULT 1
US-10-125-187-1
; Sequence 1, Application US/10125187
; Publication NO. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHILL, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human Inhibin
; NAME/KEY: CDS
; LOCATION: (1)..(405)
; OTHER INFORMATION:
; US-10-125-187-1
Query Match 100.0%; Score 34; DB 12; Length 405;
Best Local Similarity 100.0%; Pred. No. 0.00028;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 AGGCCTCCGAGGAGAACCGCGTCGCAATGCCCACT 34
|||||

Db 55 AGGCTCCGAGAACCGGCTGCCATGCCACT 88

RESULT 2

US-09-971-392-18

Sequence 18, Application US/09971392

Publication No. US20030134283A1

GENERAL INFORMATION:

APPLICANT: Peterson, David P.

APPLICANT: Pearson, Cecilia I.

APPLICANT: Cocks, Benjamin G.

TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION

FILE REFERENCE: PA-0029 US

CURRENT APPLICATION NUMBER: US/09/971,392

CURRENT FILING DATE: 2001-10-03

PRIOR APPLICATION NUMBER: 60/237,652

PRIOR FILING DATE: 2000-10-03

NUMBER OF SEQ ID NOS: 260

SOFTWARE: PERL Program

SEQ ID NO 18

LENGTH: 1429

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Template ID: 336965.2

US-09-971-392-18

Query Match 100.0%; Score 34; DB 12; Length 1429;

Best Local Similarity 100.0%; Pred. No. 0.00024;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 895 AGGCTCCGAGAACCGGCTGCCATGCCACT 928

RESULT 3

US-09-764-891-6046/C

Sequence 6046, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6046

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6046

Query Match 100.0%; Score 34; DB 11; Length 3422;

Best Local Similarity 100.0%; Pred. No. 0.00022;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCATGCCACT 505

RESULT 4

US-09-764-891-6048/C

Sequence 6048, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6048

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6048

Query Match 100.0%; Score 34; DB 11; Length 3422;

Best Local Similarity 100.0%; Pred. No. 0.00022;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCATGCCACT 505

RESULT 5

US-10-091-438-271/C

Sequence 271, Application US/10091438

Publication No. US20030077606A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT217C1

CURRENT APPLICATION NUMBER: US/10/091,438

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 09/764,879

PRIOR FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 60/179,065

PRIOR FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/180,628

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: 60/214,886

PRIOR FILING DATE: 2000-06-28

PRIOR APPLICATION NUMBER: 60/217,487

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,758

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,963

PRIOR FILING DATE: 2000-07-26

PRIOR APPLICATION NUMBER: 60/217,496

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,447

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/218,290

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/225,757

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/226,868

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/216,647

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,267

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/216,880

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/251,869

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/235,834

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: 60/234,274

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/234,223

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/228,924

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518


```
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match      100.0%; Score 34; DB 14; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGGAAACCGCTGCCATGCCACT 34
DB      538 AGGCTCCGAGGAAACCGCTGCCATGCCACT 505

RESULT 6
US-10-091-438-273
; Sequence 273, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26

;; PRIOR APPLICATION NUMBER: 60/241,809
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/249,299
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/236,327
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/241,785
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/244,617
;; PRIOR FILING DATE: 2000-11-01
;; PRIOR APPLICATION NUMBER: 60/225,268
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,368
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/251,856
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/251,868
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/229,344
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/234,997
;; PRIOR FILING DATE: 2000-09-25
;; PRIOR APPLICATION NUMBER: 60/229,343
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,345
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,287
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,513
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/231,413
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/229,509
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/236,367
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/237,039
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,038
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/236,370
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/236,802
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,037
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,040
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/240,960
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
```

```

; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/225,266
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/249,218
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,208
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,213
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,212
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,207
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,245
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,244
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,217
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,211
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,215
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,264
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,214
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,414
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,244
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/233,064
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/233,063
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,397
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,399
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,401
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/241,808
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,826
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,786
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,221
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,475
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/231,243
; PRIOR FILING DATE: 2000-09-08

```

```

Query Match      100.0%; Score 34; DB 14; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 AGGCTCCGAGGAAACGGCTGCCATGCCACT 34
      |||
Db      2885 AGGCTCCGAGGAAACGGCTGCCATGCCACT 2918

```

```

RESULT 7
US-10-127-032-41/C
; Sequence 41, Application US/10127032
; Publication No. US20030113742A1
; GENERAL INFORMATION:
; APPLICANT: Whiteley, Marvin
; APPLICANT: Bangerter, M. Gita
; APPLICANT: Loay, Stephen
; APPLICANT: Greenberg, Everett Peter
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF
; FILE REFERENCE: UIZ-070CP
; CURRENT APPLICATION NUMBER: US/10/127,032
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/285,190
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/344,142
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-10-127-032-41

```

```

Query Match      64.1%; Score 21.8; DB 14; Length 918;
Best Local Similarity 78.8%; Pred. No. 17;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

Qy      2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34
      |||
Db      564 GGCTCCGAGGAAACGGCTGCCATGCCACT 532

RESULT 8
US-10-120-988-36
; Sequence 36, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunru
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219745A1 Nucleic Acids and
; FILE REFERENCE: 802CON
; CURRENT APPLICATION NUMBER: US/10/120,988
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 36
; LENGTH: 1799
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (124)...(831)
US-10-120-988-36

```

```

Query Match      61.8%; Score 21; DB 12; Length 1799;
Best Local Similarity 82.8%; Pred. No. 33;
Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```


NAME/KEY: misc feature
LOCATION: (1120)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-674

Query Match 60.0%; Score 20.4; DB 10; Length 1125;
Best Local Similarity 80.0%; Pred. No. 60;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCC 30
Db 530 AGGCCCCGCTGGAACAGGGTGCATGCC 559

RESULT 12
US-10-094-749-380/C
Sequence 380, Application US/10094749
Publication No. US20030219741A1
GENERAL INFORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YUKI
APPLICANT: OTSUKA, KAORU
APPLICANT: NAGAI, KEIICHI
APPLICANT: IRIE, RYOTARO
APPLICANT: TAMECHIKI, ICHIRO
APPLICANT: SEKI, NAOHICO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOKYU
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 084335/0160
CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 381
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 380
LENGTH: 2542
TYPE: DNA
ORGANISM: Homo sapiens
US-10-094-749-380

Query Match 60.0%; Score 20.4; DB 12; Length 2542;
Best Local Similarity 80.0%; Pred. No. 54;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCC 30
Db 1801 AGGCCCCGCTGGAACAGGGTGCATGCC 1772

RESULT 13
US-09-795-061-1/c
Sequence 1, Application US/09795061
Publication No. US20030166842A1
GENERAL INFORMATION:
APPLICANT: Greenspan, Daniel S
APPLICANT: Imamura, Yasutada
TITLE OF INVENTION: PRO-Alpha 3(V) Collagen Genes
FILE REFERENCE: 960296.96781
CURRENT APPLICATION NUMBER: US/09/795,061
CURRENT FILING DATE: 2001-02-26

NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 6109
TYPE: DNA
ORGANISM: Mus musculus
FEATURES:
NAME/KEY: CDS
LOCATION: (82)...(5298)

US-09-795-061-1

Query Match 60.0%; Score 20.4; DB 12; Length 6109;
Best Local Similarity 80.0%; Pred. No. 49;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 4 CCTCCGAGAAACCGCTGCCATGCCAAC 33
Db 3550 CCCCCGAGAGACCCCGCAGCCCTGCAGAC 3521

RESULT 14
US-10-029-386-19884/C
Sequence 19884, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: A60MICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 19884
LENGTH: 226
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
OTHER INFORMATION: MAP TO AC013602.2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
OTHER INFORMATION: NT HIT: AB037848.1, EVALU 1.00e-124
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 2.20e-01
OTHER INFORMATION: EST_HUMAN HIT: AL552730.1, EVALU 1.00e-123
US-10-029-386-19884

Query Match 59.4%; Score 20.2; DB 12; Length 226;
Best Local Similarity 75.8%; Pred. No. 86;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCCAAC 33
Db 103 AGGCTTACGAGAGAGCCACCTGCACCTGCCAGC 71

RESULT 15
US-10-029-386-6153/C
Sequence 6153, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: A60MICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 6153
LENGTH: 500

; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC013602.2
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
 ; OTHER INFORMATION: EST HUMAN HIT: AL532730.1, EVALUE 1.00e-125
 ; OTHER INFORMATION: NT HIT: g14767838, EVALUE 1.00e-127
 ; OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUE 9.10e-01
 US-10-029-386-6153

Query Match 59.4%; Score 20.2; DB 12; Length 500;
 Best Local Similarity 75.8%; Pred. No. 79;
 Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTCCGGAGGAGACCGCTGCCCATGCCAAC 33
 |||||
 Db 166 AGGCTACGGAGAGAGCCCACTGACCTGCCAGC 134

Search completed: December 5, 2003, 06:10:26
 Job time : 459.969 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 37.6899 Seconds
(without alignments)
398.171 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34
Sequence: 1 aggcctccgaggaacgncgtccatgcact 34

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapexc 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/6CTUS_COMB.seq:*
6: /cgn2_6/prodata/1/ina/backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--|
| 1 | 33 | 97.1 | 1237 | 1 | US-08-197-792-40 Sequence 40, Appl |
| 2 | 33 | 97.1 | 1237 | 1 | US-08-459-850-40 Sequence 40, Appl |
| 3 | 33 | 97.1 | 1237 | 1 | US-08-459-214-40 Sequence 40, Appl |
| 4 | 23.4 | 68.8 | 1343 | 1 | US-08-197-792-30 Sequence 30, Appl |
| 5 | 23.4 | 68.8 | 1343 | 1 | US-08-459-850-30 Sequence 30, Appl |
| 6 | 23.4 | 68.8 | 1343 | 1 | US-08-459-214-30 Sequence 30, Appl |
| 7 | 20.8 | 61.2 | 915 | 4 | US-09-252-991A-14968 Sequence 14968, A |
| 8 | 20.8 | 61.2 | 1011 | 4 | US-09-252-991A-14782 Sequence 14782, A |
| 9 | 20.8 | 61.2 | 40123 | 4 | US-08-311-731A-137 Sequence 137, Appl |
| 10 | 19.6 | 57.6 | 1500 | 5 | PCT-US95-05966-1 Sequence 1, Appl |
| 11 | 19.6 | 57.6 | 1500 | 5 | PCT-US95-05966-1 Sequence 1, Appl |
| 12 | 19.2 | 56.5 | 1812 | 4 | US-09-008-097-3 Sequence 5, Appl |
| 13 | 19.2 | 56.5 | 3549 | 4 | US-09-008-097-5 Sequence 5, Appl |
| 14 | 19.2 | 56.5 | 4046 | 1 | US-07-793-961A-1 Sequence 1, Appl |
| 15 | 19.2 | 56.5 | 4046 | 1 | US-08-240-357-1 Sequence 1, Appl |
| 16 | 19.2 | 56.5 | 4131 | 3 | US-08-726-214-11 Sequence 11, Appl |
| 17 | 19.2 | 56.5 | 4942 | 4 | US-09-474-076-1 Sequence 1, Appl |
| 18 | 19.2 | 56.5 | 45546 | 4 | US-09-146-053-6 Sequence 6, Appl |
| 19 | 19.2 | 56.5 | 176 | 4 | US-09-397-787-331 Sequence 331, Appl |
| 20 | 19.2 | 56.5 | 613 | 2 | US-08-658-639-11 Sequence 11, Appl |
| 21 | 19.2 | 56.5 | 613 | 2 | US-08-658-639-11 Sequence 11, Appl |
| 22 | 19.2 | 56.5 | 903 | 3 | US-08-944-604-15 Sequence 15, Appl |
| 23 | 18.8 | 55.3 | 12141 | 3 | US-09-488-671-10 Sequence 10, Appl |
| 24 | 18.8 | 55.3 | 43280 | 2 | US-08-804-227C-1 Sequence 1, Appl |
| 25 | 18.6 | 54.7 | 2661 | 4 | US-09-221-017B-1035 Sequence 1035, Ap |
| 26 | 18.6 | 54.7 | 4079 | 4 | US-09-016-434-1412 Sequence 1412, Ap |
| 27 | 18.4 | 54.1 | 47981 | 4 | US-09-679-279-1 Sequence 1, Appl |

| | | | | | |
|----|------|------|---------|---|---------------------------------------|
| 28 | 18.4 | 54.1 | 4403765 | 3 | US-09-103-840A-2 Sequence 2, Appl |
| 29 | 18.4 | 54.1 | 4411529 | 3 | US-09-103-840A-1 Sequence 1, Appl |
| 30 | 18.2 | 53.5 | 1074 | 2 | US-08-627-151A-15 Sequence 15, Appl |
| 31 | 18.2 | 53.5 | 1179 | 4 | US-09-252-991A-5408 Sequence 5408, Ap |
| 32 | 18.2 | 53.5 | 1196 | 3 | US-08-691-563C-56 Sequence 56, Appl |
| 33 | 18.2 | 53.5 | 1196 | 3 | US-09-374-766-56 Sequence 56, Appl |
| 34 | 18.2 | 53.5 | 1196 | 4 | US-08-979-847B-52 Sequence 52, Appl |
| 35 | 18.2 | 53.5 | 1386 | 4 | US-09-252-991A-9780 Sequence 9780, Ap |
| 36 | 18.2 | 53.5 | 1404 | 6 | 5171840-8 Patent No. 5171840 |
| 37 | 18.2 | 53.5 | 1404 | 6 | 5460796-8 Patent No. 5460796 |
| 38 | 18.2 | 53.5 | 1486 | 3 | US-08-795-473B-3 Sequence 3, Appl |
| 39 | 18.2 | 53.5 | 1486 | 4 | US-09-439-856-3 Sequence 3, Appl |
| 40 | 18.2 | 53.5 | 1497 | 4 | US-09-252-991A-5402 Sequence 5402, Ap |
| 41 | 18.2 | 53.5 | 2061 | 6 | 5171840-1 Patent No. 5171840 |
| 42 | 18.2 | 53.5 | 2061 | 6 | 5480796-1 Patent No. 5480796 |
| 43 | 18.2 | 53.5 | 2264 | 4 | US-08-979-847B-88 Sequence 88, Appl |
| 44 | 18.2 | 53.5 | 2391 | 3 | US-08-691-563C-57 Sequence 57, Appl |
| 45 | 18.2 | 53.5 | 2391 | 4 | US-09-374-766-57 Sequence 57, Appl |

ALIGNMENTS

RESULT 1
; Sequence 40, Application US/08197792
; Patent No. 5525468
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; APPLICATION NUMBER: 07/74207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACCGNCTGCCCATGCCACT 34
DB 708 AGGCTCCGAGAGAACCGCTGCCCATGCCACT 741

RESULT 2

US-08-459-850-40
Sequence 40, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACCGNCTGCCCATGCCACT 34
DB 708 AGGCTCCGAGAGAACCGCTGCCCATGCCACT 741

RESULT 3

US-08-459-214-40
Sequence 40, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAAACCGNCTGCCATGCCACT 34
DB 708 AGGCTCCGAGAAACCGGCTGCCATGCCACT 741

RESULT 4
US-08-197-792-30
Sequence 30, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/425-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAAACCGNCTGCCATGCCACT 34
DB 816 AGGCTCCGAGAAACCGGCTGTGACGCCGACT 849

RESULT 5
US-08-459-850-30
Sequence 30, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/425-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCCACT 34
DB 816 AGGCCCCGAGAACCGCTGTGCACGCCGACT 849

RESULT 6

US-08-459-214-30
Sequence 30, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCCACT 34
DB 816 AGGCCCCGAGAACCGCTGTGCACGCCGACT 849

RESULT 7

US-09-252-991A-14968/C
Sequence 14968, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14968
LENGTH: 915
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14968

Query Match 61.2%; Score 20.8; DB 4; Length 915;
Best Local Similarity 75.8%; Pred. No. 14;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGCTGCCATGCCACT 34
DB 561 GGCCTCCGCGCGAGCGGCTGGCCATGCTGACT 529

RESULT 8

US-09-252-991A-14782
Sequence 14782, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14782
LENGTH: 1011
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14782

Query Match 61.2%; Score 20.8; DB 4; Length 1011;
Best Local Similarity 75.8%; Pred. No. 14;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGCTGCCATGCCACT 34
DB 376 GGCCTCCGCGCGAGCGGCTGGCCATGCTGACT 408

RESULT 9
US-08-311-731A-137/C
Sequence 137, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 61.2%; Score 20.8; DB 4; Length 40123;
Best Local Similarity 75.8%; Pred. No. 19;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCCTCCGAGGAGAACCGCTGCCCATGCACACT 34
Db 16258 GGCCTCCTCACTGACGACGACGACGACGACACT 16226

RESULT 10
US-08-704-398-1
Sequence 1, Application US/08704398
Patent No. 5679525
GENERAL INFORMATION:
APPLICANT: Peterson, Michael G
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California

COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/704,398
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/246,977
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59233/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1500
US-08-704-398-1

Query Match 57.6%; Score 19.6; DB 1; Length 1500;
Best Local Similarity 81.5%; Pred. No. 43;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 3 GGCCTCCGAGGAGAACCGCTGCCCATGC 29
Db 21 GCCCGGAGGAGAGCCGCTGCCCATGC 47

RESULT 11
PCT-US95-05966-1
Sequence 1, Application PC/TUS9505966
GENERAL INFORMATION:
APPLICANT: TULARIK, INC.
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05966
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/246,977
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: PP-59233-PC/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3243
TELEX: 910 27729
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1500
PCT-US95-05966-1

Query Match 57.6%; Score 19.6; DB 5; Length 1500;
Best Local Similarity 81.5%; Pred. No. 43;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCCGAGAACCCGCTGCCCATGC 29
Db 21 GCCCGCAGAGAGCCGCTGCCATGC 47

RESULT 12
US-09-008-097-3
Sequence 3, Application US/09008097
Patent No. 6306830
GENERAL INFORMATION:
APPLICANT: Hammond, H. Kirk
APPLICANT: Insel, Paul A.
APPLICANT: Ping, Peipei
APPLICANT: Post, Steven R.
APPLICANT: Gao, Meihua
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
HEART FAILURE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008,097
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dylan, Tyler M
REGISTRATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 22000-20567.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1812 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:

NAME/KEY: Coding Sequence
LOCATION: 1..1812
OTHER INFORMATION:
US-09-008-097-3

Query Match 56.5%; Score 19.2; DB 4; Length 1812;
Best Local Similarity 72.7%; Pred. No. 62;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAACCCGCTGCCCATGCCACT 34
Db 668 GGCTCCGAGAGCCGCGGACCATGCCACT 700

RESULT 13
US-09-008-097-5
Sequence 5, Application US/09008097
Patent No. 6306830
GENERAL INFORMATION:
APPLICANT: Hammond, H. Kirk
APPLICANT: Insel, Paul A.
APPLICANT: Ping, Peipei
APPLICANT: Post, Steven R.
APPLICANT: Gao, Meihua
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
HEART FAILURE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008,097
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dylan, Tyler M
REGISTRATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 22000-20567.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3549 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 1..3501
OTHER INFORMATION:
US-09-008-097-5

Query Match 56.5%; Score 19.2; DB 4; Length 3549;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAACCCGCTGCCCATGCCACT 34
Db 1301 GGCTCCGAGAGCCGCGGACCATGCCACT 1333

RESULT 14
US-07-793-961A-1
Sequence 1, Application US/0793961A
Patent No. 5334521
GENERAL INFORMATION:
APPLICANT: Yoshihiro Ishikawa
TITLE OF INVENTION: Cloning and Character-
ization of a Cardiac Adenyllyl Cyclase
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Alan M. Gordon
ADDRESSEE: American Cyanamid Company
STREET: 1937 West Main Street,
STREET: P.O. Box 60
CITY: Stamford
STATE: Connecticut
COUNTRY: USA
ZIP: 06904
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII from DM4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/793,961A
FILING DATE: 19911118
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2719
TELEFAX: 203 321 2971
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs listed
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1
Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 2 GGCTCCGGAGGAGACCGCTGCCATGCCACT 34
DB 1428 GGCTCCGGAGGAGCGCCGGGAGACGATGCCACT 1460
RESULT 15
US-08-240-357-1
Sequence 1, Application US/08240357
Patent No. 5578481
GENERAL INFORMATION:
APPLICANT: Ishikawa, Yoshihiro
TITLE OF INVENTION: Cloning and Characterization of a
CARDIAC ADENYLYL CYCLASE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA

ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/240,357
FILING DATE: 10-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-831-3244
TELEFAX: 201-831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 131..3625
US-08-240-357-1
Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 2 GGCTCCGGAGGAGACCGCTGCCATGCCACT 34
DB 1428 GGCTCCGGAGGAGCGCCGGGAGACGATGCCACT 1460
Search completed: December 5, 2003, 03:08:18
Job time : 42.6899 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 455.969 seconds
(without alignments)
247.829 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34
Sequence: 1 aggcctccgaggaacgcgtccatgcccaact 34

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|--------------------|
| 1 | 33 | 97.1 | 405 | US-10-125-187-1 | Sequence 1, Appl |
| 2 | 33 | 97.1 | 1429 | US-09-971-392-18 | Sequence 18, Appl |
| 3 | 33 | 97.1 | 3442 | US-09-764-891-6046 | Sequence 6046, Ap |
| 4 | 33 | 97.1 | 3442 | US-09-764-891-6048 | Sequence 6048, Ap |
| 5 | 33 | 97.1 | 3442 | US-10-091-438-271 | Sequence 271, App |
| 6 | 33 | 97.1 | 3442 | US-10-091-438-273 | Sequence 273, App |
| 7 | 20.8 | 61.2 | 226 | US-10-029-386-19884 | Sequence 19884, A |
| 8 | 20.8 | 61.2 | 500 | US-10-029-386-6153 | Sequence 6153, Ap |
| 9 | 20.8 | 61.2 | 918 | US-10-127-032-41 | Sequence 41, Appl |
| 10 | 20 | 58.8 | 1799 | US-10-120-988-36 | Sequence 36, Appl |
| 11 | 19.8 | 58.2 | 548 | US-10-027-633-68903 | Sequence 68903, A |
| 12 | 19.8 | 58.2 | 548 | US-10-027-633-294721 | Sequence 294721, A |
| 13 | 19.8 | 58.2 | 548 | US-10-027-633-68903 | Sequence 68903, A |
| 14 | 19.8 | 58.2 | 548 | US-10-027-633-294721 | Sequence 294721, A |
| 15 | 19.6 | 57.6 | 1580 | US-10-153-668-315 | Sequence 315, App |
| 16 | 19.6 | 57.6 | 1758 | US-10-153-668-479 | Sequence 479, App |

ALIGNMENTS

| | | | | | | |
|------|------|------|------|----|----------------------|-----------------------------------|
| C 17 | 19.4 | 57.1 | 247 | 10 | US-09-796-692-3875 | Sequence 3875, Ap |
| C 18 | 19.4 | 57.1 | 247 | 14 | US-10-040-862-3875 | Sequence 3875, Ap |
| C 19 | 19.4 | 57.1 | 125 | 10 | US-09-925-300-674 | Sequence 674, App |
| C 20 | 19.4 | 57.1 | 2542 | 12 | US-10-094-749-380 | Sequence 380, App |
| C 21 | 19.4 | 57.1 | 6109 | 12 | US-09-795-061-1 | Sequence 1, Appl |
| C 22 | 19.2 | 56.5 | 523 | 12 | US-10-029-386-7254 | Sequence 7254, Ap |
| C 23 | 19.2 | 56.5 | 1205 | 13 | US-10-027-633-254370 | Sequence 254370, Sequence 254370, |
| C 24 | 19.2 | 56.5 | 1205 | 13 | US-10-027-633-254370 | Sequence 254370, |
| C 25 | 19.2 | 56.5 | 1812 | 10 | US-09-750-240-3 | Sequence 3, Appl |
| 26 | 19.2 | 56.5 | 3192 | 12 | US-10-137-870-75 | Sequence 75, Appl |
| 27 | 19.2 | 56.5 | 3192 | 12 | US-10-140-018-75 | Sequence 75, Appl |
| 28 | 19.2 | 56.5 | 3192 | 12 | US-10-140-021-75 | Sequence 75, Appl |
| 29 | 19.2 | 56.5 | 3192 | 12 | US-10-140-021-75 | Sequence 75, Appl |
| 30 | 19.2 | 56.5 | 3192 | 12 | US-10-140-471-75 | Sequence 75, Appl |
| 31 | 19.2 | 56.5 | 3192 | 12 | US-10-140-807-75 | Sequence 75, Appl |
| 32 | 19.2 | 56.5 | 3192 | 12 | US-10-140-922-75 | Sequence 75, Appl |
| 33 | 19.2 | 56.5 | 3192 | 12 | US-10-140-924-75 | Sequence 75, Appl |
| 34 | 19.2 | 56.5 | 3192 | 12 | US-10-140-926-75 | Sequence 75, Appl |
| 35 | 19.2 | 56.5 | 3192 | 12 | US-10-141-698-75 | Sequence 75, Appl |
| 36 | 19.2 | 56.5 | 3192 | 12 | US-10-141-702-75 | Sequence 75, Appl |
| 37 | 19.2 | 56.5 | 3192 | 12 | US-10-141-704-75 | Sequence 75, Appl |
| 38 | 19.2 | 56.5 | 3192 | 12 | US-10-142-421-75 | Sequence 75, Appl |
| 39 | 19.2 | 56.5 | 3192 | 12 | US-10-142-432-75 | Sequence 75, Appl |
| 40 | 19.2 | 56.5 | 3192 | 12 | US-10-142-767-75 | Sequence 75, Appl |
| 41 | 19.2 | 56.5 | 3192 | 12 | US-10-143-033-75 | Sequence 75, Appl |
| 42 | 19.2 | 56.5 | 3192 | 12 | US-10-144-994-75 | Sequence 75, Appl |
| 43 | 19.2 | 56.5 | 3192 | 12 | US-10-145-628-75 | Sequence 75, Appl |
| 44 | 19.2 | 56.5 | 3192 | 12 | US-10-145-631-75 | Sequence 75, Appl |
| 45 | 19.2 | 56.5 | 3192 | 12 | US-10-145-633-75 | Sequence 75, Appl |

RESULT 1
US-10-125-187-1
; Sequence 1, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHILL, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO. 1
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
; NAME/KEY: CDS
; LOCATION: (1)..(405)
; OTHER INFORMATION:
US-10-125-187-1

Query Match 97.1%; Score 33; DB 12; Length 405;
Best Local Similarity 97.1%; Pred. No. 0.00033;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
1 AGGCCTCCGAGGAACCGNCTGCCATGCCCACT 34
|||||

Db 55 AGGCTCCGAGAACCGGCTGCCCATGCCACT 88

RESULT 2

US-09-971-392-18

Sequence 18, Application US/09971392

Publication No. US20030134283A1

GENERAL INFORMATION:

APPLICANT: Peterson, David P.

APPLICANT: Pearson, Cecilia I.

APPLICANT: Cocks, Benjamin G.

TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION

FILE REFERENCE: PA-0029 US

CURRENT APPLICATION NUMBER: US/09/971.392

CURRENT FILING DATE: 2001-10-03

PRIOR APPLICATION NUMBER: 60/237,652

PRIOR FILING DATE: 2000-10-03

NUMBER OF SEQ ID NOS: 260

SOFTWARE: PERL Program

SEQ ID NO 18

LENGTH: 1429

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Template ID: 336965.2

US-09-971-392-18

Query Match 97.1%; Score 33; DB 12; Length 1429;

Best Local Similarity 97.1%; Pred. No. 0.00029;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCCATGCCACT 34

Db 895 AGGCTCCGAGAACCGGCTGCCCATGCCACT 928

RESULT 3

US-09-764-891-6046/c

Sequence 6046, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 6046

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6046

Query Match 97.1%; Score 33; DB 11; Length 3422;

Best Local Similarity 97.1%; Pred. No. 0.00027;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCCATGCCACT 505

RESULT 4

US-09-764-891-6048/c

Sequence 6048, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 6048

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6048

Query Match 97.1%; Score 33; DB 11; Length 3422;

Best Local Similarity 97.1%; Pred. No. 0.00027;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCCATGCCACT 505

RESULT 5

US-10-091-438-271/c

Sequence 271, Application US/10091438

Publication No. US20030077606A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PZ1/CI

CURRENT APPLICATION NUMBER: US/10/091,438

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 09/764,879

PRIOR FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 60/179,065

PRIOR FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/180,628

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: 60/214,886

PRIOR FILING DATE: 2000-06-28

PRIOR APPLICATION NUMBER: 60/217,487

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,758

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,963

PRIOR FILING DATE: 2000-07-26

PRIOR APPLICATION NUMBER: 60/217,496

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,447

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/218,290

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/225,757

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/226,868

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/216,647

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,267

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/216,880

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/251,869

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/235,834

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: 60/234,274

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/228,924

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518


```

; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/223,243
; PRIOR FILING DATE: 2000-09-08

Query Match          97.1%; Score 33; DB 14; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00027;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGAGAACCGCTGCCATGCCCACT 34
Db      538 AGGCTCCGAGAGAACCGCTGCCATGCCCACT 505

RESULT 6
US-10-091-438-273
; Sequence 273, Application US/10091438
; Publication No. US2003007606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ17C1
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/1179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26

; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,210
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/246,681
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,759
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,213
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
```

PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235, 836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230, 438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215, 135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225, 266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249, 218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249, 297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232, 400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231, 242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232, 081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232, 080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231, 414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231, 244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233, 064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233, 063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232, 397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232, 399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232, 401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241, 808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241, 826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241, 786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241, 221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246, 475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231, 243
PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 14; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00027;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGAACCGTCGCCCACT 34
|||||
Db 2885 AGGCTCCGAGGAGAACCGTCGCCCACT 2918

RESULT 7
US-10-029-366-19884/C
; Sequence 19884, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: AEOWICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19884
; LENGTH: 226
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013602.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
; OTHER INFORMATION: NT HIT: AB037848.1, EVALU 1.00e-124
; OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 2.20e-01
; OTHER INFORMATION: EST_HUMAN HIT: AL532730.1, EVALU 1.00e-123
US-10-029-366-19884

Query Match 61.2%; Score 20.8; DB 12; Length 226;
Best Local Similarity 75.8%; Pred. No. 33;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGAACCGTCGCCCACT 33
|||||
Db 103 AGGCTCCGAGGAGAACCGTCGCCCACT 71

RESULT 8
US-10-029-366-6153/C
; Sequence 6153, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: AEOWICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 6153
; LENGTH: 500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013602.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
; OTHER INFORMATION: EST_HUMAN HIT: AL532730.1, EVALU 1.00e-125
; OTHER INFORMATION: NT HIT: G14767838, EVALU 1.00e-127
; OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 9.10e-01
US-10-029-366-6153

Query Match 61.2%; Score 20.8; DB 12; Length 500;
Best Local Similarity 75.8%; Pred. No. 30;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTTCGGAGAGAACCGNCTGCCATGCCAAC 33
Db 166 AGGTCTACGGAGAGAGCCCACTGACCTGCCAGC 134

RESULT 9
US-10-127-032-41/c
; Sequence 41, Application US/10127032
; Publication No. US20030113742A1
; GENERAL INFORMATION:
; APPLICANT: Whiteley, Marvin
; APPLICANT: Banger, M. Gita
; APPLICANT: Loty, Stephen
; APPLICANT: Greenberg, Everett Peter
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF
; TITLE OF INVENTION: BIOFILM FORMATION
; FILE REFERENCE: UIZ-070CP
; CURRENT APPLICATION NUMBER: US/10/127,032
; CURRENT FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/285,190
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/344,142
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-10-127-032-41

Query Match 61.2%; Score 20.8; DB 14; Length 918;
Best Local Similarity 75.8%; Pred. No. 29;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAGAACCGNCTGCCATGCCAAC 34
Db 564 GGCTTCGGAGAGAGCCCACTGACCTGCCAGC 532

RESULT 10
US-10-120-988-36
; Sequence 36, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Kyle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyan
; APPLICANT: Wang, Duntui
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219745A1el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 802CON
; CURRENT APPLICATION NUMBER: US/10/120,988
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pc_fl_genes Version 2.0
; SEQ ID NO 36
; LENGTH: 1799
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (124)..(831)
US-10-120-988-36

Query Match 58.8%; Score 20; DB 12; Length 1799;
Best Local Similarity 79.3%; Pred. No. 57;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAGAACCGNCTGCCATGCC 30
Db 181 GGCTTCGGAGAGAGCCCACTGACCTGCC 209

RESULT 11
US-10-027-632-68903
; Sequence 68903, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match 58.2%; Score 19.8; DB 12; Length 548;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTTCGGAGAGAACCGNCTGCCATGCCAA 32
Db 481 AGGCTTCGGAGAGAGCCCACTGACCTGCCA 512

RESULT 12
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294721
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-294721

Query Match 58.2%; Score 19.8; DB 12; Length 548;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 13
US-10-027-632-68903
; Sequence 68903, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match 58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 14
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294721
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-294721

Query Match 58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 15
US-10-153-668-315
; Sequence 315, Application US/10153668
; Publication No. US20030092616A1
; GENERAL INFORMATION:
; APPLICANT: HONDA, Goichi
; APPLICANT: MATSUDA, Akio
; APPLICANT: MURAMATSU, Shuji
; APPLICANT: ISHIZAMA, Kenya
; TITLE OF INVENTION: State Activating Gene
; FILE REFERENCE: 1254-0207P
; CURRENT APPLICATION NUMBER: US/10/153,668
; PRIOR FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: US 60/293,172
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/316,031
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 60/328,403
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: JP 2001-157043
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP 2001-260681
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: JP 2001-313175
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 488
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 315
; LENGTH: 1580
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (79)..(1578)
US-10-153-668-315

Query Match 57.6%; Score 19.6; DB 14; Length 1580;
Best Local Similarity 81.5%; Pred. No. 84;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCCGAGAGAACCGNCTGCCATGC 29
DB 99 GCCCGGAGAGAGACCGCTGCGCATC 125

Search completed: December 5, 2003, 06:10:26
Job time : 455.969 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 34.3643 Seconds
(without alignments)
398.171 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31
Sequence: 1 accatgcctccctgcgtcatcgcact 31

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/PCBUS_COMB.seq:*
6: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB | ID | Description |
|------------|-------|-------------|--------|----|---------------------|--------------------|
| 1 | 31 | 100.0 | 1633 | 1 | US-08-197-792-42 | Sequence 42, Appl |
| 2 | 31 | 100.0 | 1633 | 1 | US-08-459-850-42 | Sequence 42, Appl |
| 3 | 31 | 100.0 | 1633 | 1 | US-08-459-214-42 | Sequence 42, Appl |
| 4 | 31 | 100.0 | 1840 | 4 | US-09-016-434-1200 | Sequence 1200, Ap |
| 5 | 23 | 74.2 | 3588 | 1 | US-08-197-792-32 | Sequence 32, Appl |
| 6 | 23 | 74.2 | 3588 | 1 | US-08-459-850-32 | Sequence 32, Appl |
| 7 | 23 | 74.2 | 3588 | 1 | US-08-459-214-32 | Sequence 32, Appl |
| 8 | 21.4 | 69.0 | 1667 | 1 | US-08-455-550-1 | Sequence 1, Appl |
| 9 | 19.8 | 63.9 | 400 | 1 | US-07-764-731B-5 | Sequence 5, Appl |
| 10 | 19.8 | 63.9 | 406 | 1 | US-08-163-877-7 | Sequence 7, Appl |
| 11 | 19.8 | 63.9 | 406 | 1 | US-08-360-814B-7 | Sequence 7, Appl |
| 12 | 19.8 | 63.9 | 406 | 1 | US-08-741-589A-7 | Sequence 7, Appl |
| 13 | 19.8 | 63.9 | 406 | 5 | PCT-US94-11181-7 | Sequence 7, Appl |
| 14 | 19.8 | 63.9 | 497 | 4 | US-08-868-452-43 | Sequence 43, Appl |
| 15 | 19.8 | 63.9 | 894 | 1 | US-07-764-731B-3 | Sequence 3, Appl |
| 16 | 19.8 | 63.9 | 894 | 6 | 5187076-3 | Patent No. 5187076 |
| 17 | 19.8 | 63.9 | 2923 | 2 | US-08-377-292-6 | Sequence 6, Appl |
| 18 | 19.8 | 63.9 | 2923 | 2 | US-07-989-847-7 | Sequence 7, Appl |
| 19 | 19.8 | 63.9 | 2923 | 3 | US-08-469-411-7 | Sequence 7, Appl |
| 20 | 19.8 | 63.9 | 2923 | 6 | 5187076-5 | Patent No. 5187076 |
| 21 | 19 | 61.3 | 5741 | 1 | US-07-706-699-4 | Sequence 4, Appl |
| 22 | 19 | 61.3 | 5741 | 1 | US-07-998-831-4 | Sequence 4, Appl |
| 23 | 18.8 | 60.6 | 99 | 1 | US-07-367-262-1 | Sequence 1, Appl |
| 24 | 18.8 | 60.6 | 509 | 3 | US-09-385-982-43 | Sequence 43, Appl |
| 25 | 18.8 | 60.6 | 1164 | 4 | US-09-134-001C-2199 | Sequence 2199, Ap |
| 26 | 18.8 | 60.6 | 1628 | 3 | US-09-147-522-3 | Sequence 3, Appl |
| 27 | 18.8 | 60.6 | 3315 | 4 | US-09-221-017B-76 | Sequence 76, Appl |

| | | | | | | |
|------|------|------|--------|---|------------------|-------------------|
| C 28 | 18.8 | 60.6 | 5000 | 3 | US-09-147-522-5 | Sequence 5, Appl |
| C 29 | 18.6 | 60.0 | 11282 | 4 | US-09-754-250-3 | Sequence 3, Appl |
| C 30 | 18.6 | 60.0 | 112332 | 4 | US-09-741-150-3 | Sequence 3, Appl |
| 31 | 18.4 | 59.4 | 1938 | 3 | US-09-232-200-29 | Sequence 29, Appl |
| 32 | 18.4 | 59.4 | 1938 | 4 | US-09-232-197-29 | Sequence 29, Appl |
| 33 | 18.4 | 59.4 | 1938 | 4 | US-09-232-201-29 | Sequence 29, Appl |
| 34 | 18.4 | 59.4 | 3217 | 3 | US-09-232-200-64 | Sequence 64, Appl |
| 35 | 18.4 | 59.4 | 3217 | 4 | US-09-232-197-64 | Sequence 64, Appl |
| 36 | 18.4 | 59.4 | 3217 | 4 | US-09-232-201-64 | Sequence 64, Appl |
| 37 | 18.4 | 59.4 | 9046 | 1 | US-08-227-536-1 | Sequence 1, Appl |
| 38 | 18.4 | 59.4 | 9046 | 5 | PCT-US95-04682-1 | Sequence 1, Appl |
| 39 | 18.2 | 58.7 | 337 | 4 | US-08-868-452-29 | Sequence 29, Appl |
| 40 | 18.2 | 58.7 | 339 | 1 | US-08-470-837-29 | Sequence 29, Appl |
| 41 | 18.2 | 58.7 | 1524 | 1 | US-08-197-792-34 | Sequence 34, Appl |
| 42 | 18.2 | 58.7 | 1524 | 1 | US-08-459-850-34 | Sequence 34, Appl |
| 43 | 18.2 | 58.7 | 1524 | 1 | US-08-459-214-34 | Sequence 34, Appl |
| 44 | 18.2 | 58.7 | 1873 | 1 | US-07-841-646-24 | Sequence 24, Appl |
| 45 | 18.2 | 58.7 | 1873 | 1 | US-07-901-703-8 | Sequence 8, Appl |

ALIGNMENTS

RESULT 1
US-08-197-792-42
; Sequence 42, Application US/08197792
; Patent No. 5525488
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Haasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAACT 1281

RESULT 2

US-08-459-850-42
Sequence 42, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E. 28,616
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAACT 1281

RESULT 3

US-08-459-214-42
Sequence 42, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E. 28,616
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
DB 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 4

US-09-016-434-1200
Sequence 1200, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Sellhammer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1430
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1200:
SEQUENCE CHARACTERISTICS:
LENGTH: 1840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g181946
US-09-016-434-1200

Query Match 100.0%; Score 31; DB 4; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00012;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
DB 1100 ATCATGCTCCCTCTGGCTATCATGCCCACT 1130

RESULT 5

US-08-197-792-32
Sequence 32, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.45;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
DB 1042 ATCATGCTCCCTCTGGCTATCATGCCCACT 1072

RESULT 6
US-08-459-850-32
Sequence 32, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.45;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

1 ATCATGTGCTCTGCGTATCAGCCAACT 31
|||||
1042 ATCATGCTCGTCGCGCTACACGCCAACT 1072

RESULT 7
US-08-459-214-32
: Sequence 32, Application US/08459214

```

; Patent No. 5716810
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides
; TITLE OF INVENTION: Using such Nucleic Acid
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,214
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/197792
; FILING DATE: 17-FEB-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELETYPE: 910/371-7168
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3588 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; US-08-459-214-32
;
; Query Match 74.2%; Score 23; DB 1; Length 3588;
; Best Local Similarity 83.9%; Pred. No. 0.45;
; Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
;
; 1 ATCATGTCTCCTCTGCTATCATGCCAACT 31
; |||||
; 1042 ATCATGCTCTCGCGCTACACGCCAACT 1072

```

RESULT 8
US-08-455-550-1
; Sequence 1, Application US/08455550

Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAKAMI, KAZUO
APPLICANT: UENO, NAOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dike, Bronstein, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1667 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-1

Query Match 69.0%; Score 21.4; DB 1; Length 1667;
Best Local Similarity 80.6%; Pred. No. 2;
Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31
DB 777 ATCATGCACTCTGCTACCATGCCAAT 807

RESULT 9
US-07-764-731B-5
Sequence 5, Application US/07764731B
Patent No. 5366875
GENERAL INFORMATION:
APPLICANT: Rosen, Vicki A.
APPLICANT: Wang, Elizabeth A.
APPLICANT: Wozney, John M.
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA

COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/764,731B
FILING DATE: 19910924
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kapinos, Ellen J.
REGISTRATION NUMBER: 32,245
REFERENCE/DOCKET NUMBER: G15159B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-876-1170
TELEFAX: 617-876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
FRAGMENT TYPE: C-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL LINE: U2-OS Osteosarcoma
IMMEDIATE SOURCE:
LIBRARY: U2-OS human osteosarcoma cDNA library
CLONE: U2-7
POSITION IN GENOME:
UNITS: bp
FEATURE:
NAME/KEY: CDS
LOCATION: 1..399
NAME/KEY: mat_peptide
LOCATION: 1..400
FEATURE:
NAME/KEY: mRNA
LOCATION: 1..400
US-07-764-731B-5

Query Match 63.9%; Score 19.8; DB 1; Length 400;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31
DB 145 ATCATGCAACCAAGGCTATGCTGCAAT 175

RESULT 10
US-08-163-877-7
Sequence 7, Application US/08163877
Patent No. 5399677
GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: Murray, Beth
APPLICANT: Wolman, Neil
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENETIC PROTEINS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,877
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 876-1170 x 8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-163-877-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31
145 ATCATGACACCAAGGCTATGCTGCAATT 175
Db

RESULT 11
US-08-360-914B-7
Sequence 7, Application US/08360914B
Patent No. 5756308
GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,914B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 876-5851
TELEFAX: 617 876-8260
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-360-914B-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31
145 ATCATGACACCAAGGCTATGCTGCAATT 175
Db

RESULT 12
US-08-741-589A-7
Sequence 7, Application US/08741589A
Patent No. 5804416
GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/741,589A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-741-589A-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

Oy      1 ATCATGTCCTCCCTGTGCTATCATGCCAACT 31
          |||||
Db      145 ATCATGTGCACCCAAGGGCTATGTGCCAATT 175

```

RESULT 13
PCT-US94-13181-7
; Sequence 7, Application PC/TUS9413181

APPLICANT: GENETICS INSTITUTE, INC.
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:

ADDRESS: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA

```

? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US94/13381

```

? FILING DATE:
 ? CLASSIFICATION:
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 08/163,877
 ? FILING DATE: December 7, 1993
 ? ATTORNEY/AGENT INFORMATION:

NAME: Lazar, Steven R
REGISTRATION NUMBER: 32, 618
REFERENCE/DOCKET NUMBER: GI 5219-PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260

```

; TELEFAX: 617 876-5851 7;
; INFORMATION FOR SEQ ID NO:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 406 base pairs
; TYPE: nucleic acid
;

```

```

; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: bmp-6

```

```

; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..396
PCT-US94-13181-7

```

| | | | | |
|-----------------------|-----------------|----------------|-----------|-------------|
| Query Match | 63.9% | Score 19.8; | DB 5; | length 406; |
| Best Local Similarity | 77.4%; | Pred. No. 7.5; | | |
| Matches 24; | Conservative 0; | Mismatches 7; | Indels 0; | Gaps 0; |

```
Oy      1 ATCATTGCTCCCTCGTGCATATCATGCCACT 31
          ||||| ||| ||||| |||||
Db      145 ATCATGCACCCAGGGCTATGCTGCCAATT 175
```

RESULT 14
US-08-868-452-43
; Sequence 43, Application US/08868452C
; Patent No. 7,720,073

Patent No. 6,352,972
GENERAL INFORMATION:
APPLICANT: Marcel E. Nimni
APPLICANT: Frederick L. Hall
APPLICANT: Lingtao Wu
APPLICANT: Bo Han
APPLICANT: Edwin Shors
TITLE OF INVENTION: BONE MORPHOGENETIC PROTEINS AND THEIR

```

; TITLE OF INVENTION: USE IN BONE GROWTH
; FILE REFERENCE: 17972-11
; CURRENT APPLICATION NUMBER: US/08/868,452C
; CURRENT FILING DATE: 1997-06-03

```

```

; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 43
; LENGTH: 497
; TYPE: DNA

```

```

; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (4177)
US-08-868-452-43

```

| | | | | |
|-----------------------|----------------|---------------|----------|------------|
| Query Match | 63.9% | Score 19.8 | DB 4 | Length 487 |
| Best Local Similarity | 77.4% | Pred. NO. 7.8 | | |
| Matches 24 | Conservative 0 | Mismatches 7 | Indels 0 | Gaps 0 |

```

QY      1 ATCATGCTCCCTCTGCTATCATGCCAACT 31
        |||||
Db      166 ATCATGCACCCAAGGCTATGCTGCCAATT 196

```

RESULT 15
US-07-764-731B-3
; Sequence 3, Application US/07764731B

Patent No. 5366875
GENERAL INFORMATION:
APPLICANT: Rosen, Vicki A.
APPLICANT: Wang, Elizabeth A.
APPLICANT: Wozney, John M.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

```

; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:

```

```

;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/07/764,731B
 FILING DATE: 19910924
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Kadnoff, Ellen J.

REGISTRATION NUMBER: 32,245
REFERENCE/DOCKET NUMBER: G15159B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-876-1170
TELEFAX: 617-876-5851

```

; INFORMATION FOR SEQ ID NO: 3
;
; SEQUENCE CHARACTERISTICS:
;     LENGTH: 894 base pairs
;     TYPE: NUCLEIC ACID
;     STRANDEDNESS: double

```

```

;      TOPOLOGY: circular
;      MOLECULE TYPE: cDNA to mRNA
;      HYPOTHETICAL: NO
;      FRAGMENT TYPE: C-terminal
;      ORIGINAL SOURCE:
;

```

```

: ORGANISM: Bos taurus
: TISSUE TYPE: Fetal long bone
: IMMEDIATE SOURCE:
: LIBRARY: Bovine bone cDNA library
: CLONE: HEL16
: POSITION IN GENOME:
:

```

```

; UNITS: bp
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..669
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 250..666
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: 1..894
US-07-764-731B-3

```

```

Query Match 63.9%; Score 19.8; DB 1; Length 894;
Best Local Similarity 77.4%; Pred. No. 8.8;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY 1 ATCATTGCTCCCTCTGCGCTATCATGCCCACT 31
   |||||
Db 415 ATCATTGCCCCCAAGGGCTAGCGTGCACACT 445

```

```

Search completed: December 5, 2003, 03:08:19
Job time : 35.3643 secs

```


GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 415.736 Seconds
(without alignments)
247.823 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31
Sequence: 1 atcattgctccctcgtgcatcaccact 31

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | ID | Description |
|------------|-------|--------------------|---------------------|-------------------|
| C 1 | 100.0 | 405 | US-09-962-436-169 | Sequence 169, App |
| 2 | 100.0 | 425 | US-09-738-630-95 | Sequence 169, App |
| 3 | 100.0 | 494 | US-09-918-995-24537 | Sequence 24537, A |
| 4 | 100.0 | 1620 | US-10-084-817-59 | Sequence 59, Appl |
| 5 | 100.0 | 1840 | US-10-241-220-15 | Sequence 15, Appl |
| 6 | 100.0 | 1840 | US-10-301-822-88 | Sequence 88, Appl |
| 7 | 100.0 | 1840 | US-10-171-311-94 | Sequence 94, Appl |
| 8 | 100.0 | 1840 | US-10-177-293-231 | Sequence 231, App |
| 9 | 100.0 | 2462 | US-10-198-846-13039 | Sequence 295, App |
| 10 | 100.0 | 4068 | US-09-962-436-295 | Sequence 187, App |
| 11 | 100.0 | 4068 | US-09-954-531-182 | Sequence 387, App |
| 12 | 100.0 | 4068 | US-09-954-531-387 | Sequence 3, Appl |
| 13 | 100.0 | 6084 | US-09-918-624B-3 | Sequence 8179, Ap |
| 14 | 100.0 | 14416 | US-09-764-891-8179 | Sequence 46, Appl |
| C 15 | 21.2 | 68.4 | US-10-034-650-46 | Sequence 4, Appl |
| C 16 | 21.2 | 68.4 | US-10-105-637-4 | |

| | | | | | | |
|------|------|------|--------|----|----------------------|-------------------|
| C 17 | 21 | 67.7 | 611 | 12 | US-10-027-632-201917 | Sequence 201917, |
| C 18 | 21 | 67.7 | 611 | 12 | US-10-027-632-201918 | Sequence 201918, |
| C 19 | 21 | 67.7 | 611 | 12 | US-10-027-632-201917 | Sequence 201917, |
| C 20 | 21 | 67.7 | 611 | 13 | US-10-027-632-201918 | Sequence 201918, |
| C 21 | 20.6 | 66.5 | 2043 | 12 | US-10-133-937-86 | Sequence 86, Appl |
| C 22 | 20.6 | 66.5 | 3084 | 12 | US-10-341-434-138 | Sequence 138, App |
| C 23 | 20.6 | 66.5 | 9662 | 11 | US-09-764-891-9774 | Sequence 9774, Ap |
| C 24 | 20.6 | 66.5 | 17705 | 11 | US-09-764-891-9773 | Sequence 9773, Ap |
| C 25 | 20.4 | 65.8 | 186510 | 12 | US-10-043-715-1 | Sequence 1, Appl |
| C 26 | 19.8 | 63.9 | 570 | 12 | US-10-028-386-3175 | Sequence 3175, Ap |
| C 27 | 19.8 | 63.9 | 1350 | 9 | US-09-784-911-7 | Sequence 7, Appl |
| C 28 | 19.8 | 63.9 | 1353 | 9 | US-09-784-911-9 | Sequence 9, Appl |
| C 29 | 19.8 | 63.9 | 1362 | 9 | US-09-784-911-3 | Sequence 3, Appl |
| C 30 | 19.8 | 63.9 | 2923 | 12 | US-10-101-510-7 | Sequence 7, Appl |
| C 31 | 19.8 | 63.9 | 5021 | 12 | US-10-133-013-126 | Sequence 126, App |
| C 32 | 19.8 | 63.9 | 5804 | 12 | US-10-101-510-509 | Sequence 509, App |
| C 33 | 19.6 | 63.2 | 457 | 11 | US-09-918-995-14644 | Sequence 14644, A |
| C 34 | 19.6 | 63.2 | 167343 | 10 | US-09-962-436-281 | Sequence 281, App |
| C 35 | 19.6 | 63.2 | 167343 | 10 | US-09-964-824A-273 | Sequence 273, App |
| C 36 | 19.4 | 62.6 | 668 | 12 | US-10-027-632-196735 | Sequence 196735, |
| C 37 | 19.4 | 62.6 | 668 | 12 | US-10-027-632-196736 | Sequence 196736, |
| C 38 | 19.4 | 62.6 | 668 | 13 | US-10-027-632-196735 | Sequence 196735, |
| C 39 | 19.4 | 62.6 | 668 | 13 | US-10-027-632-196736 | Sequence 196736, |
| C 40 | 18.8 | 60.6 | 445 | 10 | US-09-796-692-7759 | Sequence 7759, Ap |
| C 41 | 18.8 | 60.6 | 445 | 14 | US-10-040-862-7759 | Sequence 473, App |
| C 42 | 18.8 | 60.6 | 509 | 11 | US-09-871-161-43 | Sequence 269, App |
| C 43 | 18.8 | 60.6 | 839 | 10 | US-09-860-670-269 | Sequence 2193, Ap |
| C 44 | 18.8 | 60.6 | 108317 | 12 | US-10-017-161-2143 | Sequence 7229, Ap |
| C 45 | 18.6 | 60.0 | 1800 | 9 | US-09-815-242-7229 | |

ALIGNMENTS

RESULT 1
US-09-962-436-169/c
; Sequence 169, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-75
; CURRENT APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/60/235,082
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/234,924
; NUMBER OF SEQ ID NOS: 568
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 169
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
; PEPTIDE:
; NAME/KEY: misc feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-436-169

Query Match 100.0%; Score 31; DB 9; Length 405;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCGTGCATCATCCCACT 31
DB 384 ATCATTGCTCCCTCGTGCATCATCCCACT 354

RESULT 2
US-09-736-630-95
; Sequence 95, Application US/09738630
; Publication No. US20030166213A1

GENERAL INFORMATION:
APPLICANT: Greenpan, Ralph J.
TITLE OF INVENTION: Methods For Identifying Compounds That
TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/ cGMP-Dependent
FILE REFERENCE: P-NI 3906
CURRENT APPLICATION NUMBER: US/09/738, 630
CURRENT FILING DATE: 2000-12-15
NUMBER OF SEQ ID NOS: 105
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 95
LENGTH: 425
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(390)
US-09-738-630-95

Query Match 100.0%; Score 31; DB 12; Length 425;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 127 ATCATGCTCCCTCTGGCTATCATGCCAACT 157

RESULT 3
US-09-918-995-24537
Sequence 24537, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918, 995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235, 076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 24537
LENGTH: 494
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(494)
OTHER INFORMATION: n = A,T,C or G
US-09-918-995-24537

Query Match 100.0%; Score 31; DB 11; Length 494;
Best Local Similarity 100.0%; Pred. No. 0.00046;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 158 ATCATGCTCCCTCTGGCTATCATGCCAACT 188

RESULT 4
US-10-084-817-59
Sequence 59, Application US/10084817
Publication No. US20030113009A1
GENERAL INFORMATION:
APPLICANT: Susan Stuart
APPLICANT: Jed G. Nuchtern
APPLICANT: Sharon E. Pion
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION

FILE REFERENCE: PA-0046 US
CURRENT APPLICATION NUMBER: US/10/084, 817
CURRENT FILING DATE: 2002-02-25
PRIOR APPLICATION NUMBER: 60/270, 784
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 59
LENGTH: 1620
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1
NAME/KEY: unsure
LOCATION: 120
OTHER INFORMATION: a, t, c, g, or other
US-10-084-817-59

Query Match 100.0%; Score 31; DB 14; Length 1620;
Best Local Similarity 100.0%; Pred. No. 0.00053;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 1230 ATCATGCTCCCTCTGGCTATCATGCCAACT 1260

RESULT 5
US-10-241-220-15
Sequence 15, Application US/10241220
Publication No. US20030148408A1
GENERAL INFORMATION:
APPLICANT: Franz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF TUMOR
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241, 220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 15
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapien
US-10-241-220-15

Query Match 100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 1100 ATCATGCTCCCTCTGGCTATCATGCCAACT 1130

RESULT 6
US-10-301-822-88
Sequence 88, Application US/10301822
Publication No. US20030148410A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Berger, Allison
APPLICANT: Guillemette, Tracy L.
APPLICANT: Kamackar, Shubhang
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.

```

; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MPM01-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (86)...(1366)
; US-10-301-822-88

Query Match      100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCTATCATGCCAACT 31
Db      1100 ATCATGTCTCCCTCTGCTATCATGCCAACT 1130

RESULT 7
; Sequence 94, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yamei
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamathkar, Shubhangi
; APPLICANT: Glatc, Karen
; APPLICANT: Ganavavapu, Manjula
; APPLICANT: Hoersch, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-171-311-94

Query Match      100.0%; Score 31; DB 14; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCTATCATGCCAACT 31
Db      1100 ATCATGTCTCCCTCTGCTATCATGCCAACT 1130
```

```

Db      1100 ATCATGTCTCCCTCTGCTATCATGCCAACT 1130

RESULT 8
; Sequence 231, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatc, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Ganavavapu, Manjula
; APPLICANT: Kamathkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-177-293-231

Query Match      100.0%; Score 31; DB 14; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCTATCATGCCAACT 31
Db      1100 ATCATGTCTCCCTCTGCTATCATGCCAACT 1130

RESULT 9
; Sequence 13039, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; APPLICANT: Kamathkar, Shubhangi
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
```

CURRENT APPLICATION NUMBER: US/10/198,846
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13039
LENGTH: 2462
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 2460, 2461, 2462
OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13039

Query Match 100.0%; Score 31; DB 14; Length 2462;
Best Local Similarity 100.0%; Pred. No. 0.00056;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1296 ATCATGCTCCCTGCTGCTATCATGCCAACT 1326

RESULT 10
US-09-962-436-295
Sequence 295, Application US/09962436
Patent No. US20020081301A1
GENERAL INFORMATION:
APPLICANT: Soppet, Daniel
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
FILE REFERENCE: 689290-75
CURRENT APPLICATION NUMBER: US/09/962,436
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/235,082
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/234,924
PRIOR FILING DATE: 2000-09-25
NUMBER OF SEQ ID NOS: 568
SOFTWARE: PatentIn version 3.0
SEQ ID NO 295
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-962-436-295

Query Match 100.0%; Score 31; DB 9; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 11
US-09-954-531-182
Sequence 182, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034

PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 182
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-182

Query Match 100.0%; Score 31; DB 10; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 12
US-09-954-531-387
Sequence 387, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 387
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-387

Query Match 100.0%; Score 31; DB 10; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 13
US-09-918-624B-3
Sequence 3, Application US/09918624B
Publication No. US20030113720A1
GENERAL INFORMATION:
APPLICANT: Scheyde, Xiao Min
TITLE OF INVENTION: CDNAS EXPRESSED IN ADIPOCYTE DIFFERENTIATION
FILE REFERENCE: PA-0033 US
CURRENT APPLICATION NUMBER: US/09/918,624B
CURRENT FILING DATE: 2002-12-03
PRIOR APPLICATION NUMBER: 60/222,470
PRIOR FILING DATE: 2000-07-28

```

; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 6084
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030113720A1 344741.1
; NAME/KEY: unsure
; LOCATION: 1638, 1645, 1650, 1656, 1658-1659, 1661, 1667, 1669, 1675, 2055-2094,
; LOCATION: 2640-2663, 5680, 5684, 5699, 5725-5726
; OTHER INFORMATION: a, t, c, g, or other
US-09-918-624B-3

```

```

Query Match      100.0%; Score 31; DB 11; Length 6084;
Best Local Similarity 100.0%; Pred. No. 0.00063;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 ATCATGTGCTCCCTGCTATCATGCGCACT 31
DB      1270 ATCATGTGCTCCCTGCTATCATGCGCACT 1300

```

```

RESULT 14
US-09-764-891-8179
; Sequence 8179, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 8179
; LENGTH: 14416
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8179

```

```

Query Match      100.0%; Score 31; DB 11; Length 14416;
Best Local Similarity 100.0%; Pred. No. 0.00071;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 ATCATGTGCTCCCTGCTATCATGCGCACT 31
DB      13179 ATCATGTGCTCCCTGCTATCATGCGCACT 13209

```

```

RESULT 15
US-10-034-650-46/c
; Sequence 46, Application US/10034650
; Publication No. US20030216558A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000128
; CURRENT APPLICATION NUMBER: US/10/034,650
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 09/474,377
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 63720

```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-034-650-46

```

```

Query Match      68.4%; Score 21.2; DB 12; Length 63720;
Best Local Similarity 88.5%; Pred. No. 20;
Matches 23; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

QY      5 TTGCTCCCTGCTGCTATCATGCGCAAC 30
DB      61141 TTCTCCCTGCTGCTATCATGCGCAAC 61116

```

```

Search completed: December 5, 2003, 06:10:28
Job time : 417.736 secs

```

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 33.2558 Seconds
(without alignments)
398.171 Million cell updates/sec

Title: US-09-913-524-35

Perfect score: 30
Sequence: 1 accatgcctccctcgtatcatgcacac 30

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/prodata/1/ina/backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|---------|----|--------------------------------------|
| 1 | 28.4 | 94.7 | 1633 | 1 | US-08-197-792-42 Sequence 42, Appl |
| 2 | 28.4 | 94.7 | 1633 | 1 | US-08-459-850-42 Sequence 42, Appl |
| 3 | 28.4 | 94.7 | 1633 | 1 | US-08-459-214-42 Sequence 42, Appl |
| 4 | 28.4 | 94.7 | 1840 | 4 | US-09-016-434-1200 Sequence 1200, Ap |
| 5 | 20.4 | 68.0 | 3588 | 1 | US-08-197-792-32 Sequence 32, Appl |
| 6 | 20.4 | 68.0 | 3588 | 1 | US-08-459-850-32 Sequence 32, Appl |
| 7 | 20.4 | 68.0 | 3588 | 1 | US-08-459-214-32 Sequence 32, Appl |
| 8 | 19.4 | 64.7 | 1667 | 1 | US-08-455-550-1 Sequence 1, Appl |
| 9 | 18.8 | 62.7 | 1628 | 3 | US-09-147-522-3 Sequence 3, Appl |
| 10 | 18.8 | 62.7 | 5000 | 3 | US-09-147-522-5 Sequence 5, Appl |
| 11 | 18.4 | 61.3 | 1664976 | 4 | US-08-916-421B-1 Sequence 1, Appl |
| 12 | 17.8 | 59.3 | 328 | 1 | US-08-455-550-5 Sequence 5, Appl |
| 13 | 17.8 | 59.3 | 400 | 1 | US-07-764-731B-5 Sequence 5, Appl |
| 14 | 17.8 | 59.3 | 406 | 1 | US-08-163-877-7 Sequence 7, Appl |
| 15 | 17.8 | 59.3 | 406 | 1 | US-08-360-914B-7 Sequence 7, Appl |
| 16 | 17.8 | 59.3 | 406 | 1 | US-08-741-589A-7 Sequence 7, Appl |
| 17 | 17.8 | 59.3 | 406 | 5 | PCT-US94-13181-7 Sequence 7, Appl |
| 18 | 17.8 | 59.3 | 497 | 4 | US-08-868-452-43 Sequence 43, Appl |
| 19 | 17.8 | 59.3 | 1442 | 1 | US-08-247-908A-1 Sequence 1, Appl |
| 20 | 17.8 | 59.3 | 1442 | 1 | US-08-453-942-1 Sequence 1, Appl |
| 21 | 17.8 | 59.3 | 1442 | 1 | US-08-926-885A-1 Sequence 1, Appl |
| 22 | 17.8 | 59.3 | 1442 | 5 | PCT-US94-05290-1 Sequence 1, Appl |
| 23 | 17.8 | 59.3 | 1487 | 3 | US-09-232-468A-23 Sequence 23, Appl |
| 24 | 17.8 | 59.3 | 1487 | 4 | US-09-784-984B-18 Sequence 18, Appl |
| 25 | 17.8 | 59.3 | 2923 | 2 | US-08-377-292-6 Sequence 6, Appl |
| 26 | 17.8 | 59.3 | 2923 | 2 | US-07-989-847-7 Sequence 7, Appl |
| 27 | 17.8 | 59.3 | 2923 | 3 | US-08-469-411-7 Sequence 7, Appl |

| | | | | | | |
|----|------|------|-------|---|-------------------|--------------------|
| 28 | 17.8 | 59.3 | 2923 | 6 | 5187076-5 | Patent No. 5187076 |
| 29 | 17.8 | 59.3 | 12687 | 1 | US-08-676-169-1 | Sequence 1, Appl |
| 30 | 17.8 | 59.3 | 12687 | 3 | US-08-981-459-1 | Sequence 1, Appl |
| 31 | 17.8 | 59.3 | 12687 | 4 | US-09-063-433A-1 | Sequence 1, Appl |
| 32 | 17.6 | 58.7 | 507 | 4 | US-09-641-638-48 | Sequence 48, Appl |
| 33 | 17.4 | 58.0 | 276 | 3 | US-09-206-903A-3 | Sequence 3, Appl |
| 34 | 17.4 | 58.0 | 276 | 3 | US-09-206-903A-10 | Sequence 10, Appl |
| 35 | 17.4 | 58.0 | 276 | 3 | US-09-202-122-3 | Sequence 3, Appl |
| 36 | 17.4 | 58.0 | 276 | 3 | US-09-202-122-10 | Sequence 10, Appl |
| 37 | 17.4 | 58.0 | 276 | 3 | US-09-206-935-20 | Sequence 20, Appl |
| 38 | 17.4 | 58.0 | 276 | 3 | US-09-206-935-21 | Sequence 21, Appl |
| 39 | 17.4 | 58.0 | 276 | 4 | US-09-206-936-20 | Sequence 20, Appl |
| 40 | 17.4 | 58.0 | 276 | 4 | US-09-206-936-21 | Sequence 21, Appl |
| 41 | 17.4 | 58.0 | 276 | 4 | US-09-919-622A-3 | Sequence 3, Appl |
| 42 | 17.4 | 58.0 | 276 | 4 | US-09-919-622A-10 | Sequence 10, Appl |
| 43 | 17.4 | 58.0 | 459 | 5 | PCT-US93-01676A-7 | Sequence 7, Appl |
| 44 | 17.4 | 58.0 | 459 | 5 | PCT-US93-01676A-8 | Sequence 8, Appl |
| 45 | 17.4 | 58.0 | 592 | 3 | US-07-721-847A-1 | Sequence 1, Appl |

ALIGNMENTS

RESULT 1
US-08-197-792-42
Sequence 42, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

RESULT 2

US-08-459-850-42
Sequence 42, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

RESULT 3

US-08-459-214-42
Sequence 42, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGTGTTATCATGCCAAC 30
DB 1251 ATCATGCTCCCTGTGTTATCATGCCAAC 1280

RESULT 4
US-09-016-434-1200
Sequence 1200, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1200:
SEQUENCE CHARACTERISTICS:
LENGTH: 1840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: 9181946
US-09-016-434-1200

Query Match 94.7%; Score 28.4; DB 4; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGTGTTATCATGCCAAC 30
DB 1100 ATCATGCTCCCTGTGTTATCATGCCAAC 1129

RESULT 5
US-08-197-792-32
Sequence 32, Application US/08197792
Patent No. 5525488

GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGTGTTATCATGCCAAC 30
DB 1042 ATCATGCTCCCTGTGTTATCATGCCAAC 1071

RESULT 6
US-08-459-850-32
Sequence 32, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 237P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-32

```

Query March      68.0%; Score 20.4; DB 1, Length 358;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0.

QY      1 ATCATGTCTCCCTCTGTGTTATCATGSCCAAC 30
          ||||| ||||| ||||| ||||| |||||
Db      1042 ATCATGCTCCGTCGGCTACCAAGCCCAAC 1071

RESULT 7
US-08-459-214-32
; Sequence 32, Application US/08455214

```

Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D6

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 32:

SEQUENCE CHARACTERISTICS:

LENGTH: 3588 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IS-08-459-214-32

```

Query Match      68.0%; Score 20.4; DB 1; Length 3589;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0.

QY      1 ATCAATGCTCCCTCTGCTATATCATGACCAAC 30
          ||||| ||||| ||||| ||||| |||||
Db      1042 ATCATCGCTCCGCTCGGCTACCAAGCCAAC 1071

RESULT 8
US-08-455-550-1
: Sequence 1, Application US/08455550

```

Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAKAMI, KAZUO
APPLICANT: UENO, NAOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dike, Bronsteijn, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1667 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-1

Query Match 64.7%; Score 19.4; DB 1; Length 1667;
Best Local Similarity 79.3%; Pred. No. 12;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTTATCATGCCAA 29
DB 777 ATCATGACACTCTCTGGTTATCATGCCAA 805

RESULT 9
US-09-147-522-3/C
Sequence 3, Application US/09147522
Patent No. 6107069
GENERAL INFORMATION:
APPLICANT: MAGAGNIN, SIMONA
APPLICANT: BENATTI, LUCA
APPLICANT: CINI, MASSIMO
APPLICANT: SPECIALE, CARMELA
APPLICANT: COVINI, NEVIE
TITLE OF INVENTION: RECOMBINANT KYNUREININE-3-HYDROXYLASE ENZYME AND
FILE REFERENCE: 0769-0408-0PCT
CURRENT APPLICATION NUMBER: US/09/147,522
CURRENT FILING DATE: 1999-01-14

EARLIER APPLICATION NUMBER: PCT/EP7/03589
EARLIER FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1628
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (34)..(1494)
US-09-147-522-3

Query Match 62.7%; Score 18.8; DB 3; Length 1628;
Best Local Similarity 76.7%; Pred. No. 22;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTTATCATGCCAAC 30
DB 470 ATCATTCCTCTCTGGTTATCATGCCAAC 441

RESULT 10
US-09-147-522-5/C
Sequence 5, Application US/09147522
Patent No. 6107069
GENERAL INFORMATION:
APPLICANT: MAGAGNIN, SIMONA
APPLICANT: BENATTI, LUCA
APPLICANT: CINI, MASSIMO
APPLICANT: SPECIALE, CARMELA
APPLICANT: COVINI, NEVIE
TITLE OF INVENTION: RECOMBINANT KYNUREININE-3-HYDROXYLASE ENZYME AND
FILE REFERENCE: 0769-0408-0PCT
CURRENT APPLICATION NUMBER: US/09/147,522
CURRENT FILING DATE: 1999-01-14
EARLIER APPLICATION NUMBER: PCT/EP7/03589
EARLIER FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 5000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (147)..(1507)
US-09-147-522-5

Query Match 62.7%; Score 18.8; DB 3; Length 5000;
Best Local Similarity 76.7%; Pred. No. 28;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTTATCATGCCAAC 30
DB 483 ATCATTCCTCTCTGGTTATCATGCCAAC 454

RESULT 11
US-08-916-421B-1
Sequence 1, Application US/08916421B
Patent No. 6503729
GENERAL INFORMATION:
APPLICANT: Built et al.
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
FILE REFERENCE: PB275
CURRENT APPLICATION NUMBER: US/08/916,421B
CURRENT FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: US 60/024,428
PRIOR FILING DATE: 1996-08-22

```
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
ORGANISM: Methanococcus jannaschii
FEATURE:
NAME/KEY: misc_feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (10398)..(10398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
```

LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 61.3%; Score 18.4; DB 4; Length 1664976;
Best Local Similarity 78.6%; Pred. No. 1.1e+02;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATCATGCCA 28
Db 61675 ATCATGTTCTCTTGTATCATGCCA 61702

RESULT 12
US-08-455-550-5
Sequence 5, Application US/08455550
Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAKAMI, KAZUO
APPLICANT: UENO, NAOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dike, Bronshtein, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSRO Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ. ID NO.: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 328 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-5

Query Match 59.3%; Score 17.8; DB 1; Length 328;
Best Local Similarity 75.9%; Pred. No. 45;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATCATGCCA 29
Db 263 ATTATGCTCCCTGTTATCATGACCTA 291

RESULT 13
US-07-764-731B-5
Sequence 5, Application US/07764731B
Patent No. 5366875
GENERAL INFORMATION:
APPLICANT: Rosen, Vicki A.
APPLICANT: Wang, Elizabeth A.
APPLICANT: Mooney, John M.
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/764,731B
FILING DATE: 19910924
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kapinos, Ellen J.
REGISTRATION NUMBER: 32,245
REFERENCE/DOCKET NUMBER: G15159B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-876-1170
TELEFAX: 617-876-5851
INFORMATION FOR SEQ. ID NO.: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
FRAGMENT TYPE: C-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL LINE: U2-OS Osteosarcoma
IMMEDIATE SOURCE:
LIBRARY: U2-OS human osteosarcoma cDNA library
CLONE: U2-7
POSITION IN GENOME:
UNITS: bp
FEATURE:
NAME/KEY: CDS
LOCATION: 1..399
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..400
FEATURE:

NAME/KEY: mRNA
LOCATION: 1..400
US-07-764-731B-5

Query Match 59.3%; Score 17.8; DB 1; Length 406;
Best Local Similarity 75.9%; Pred. No. 47;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGTTATCATGCCAA 29
Db 145 ATCATTGACCCCAAGGCGTATGCTGCCAA 173

RESULT 14

US-08-163-877-7
Sequence 7, Application US/08163877
Patent No. 539677
GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: Murray, Beth
APPLICANT: Wolfman, Neil
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
City: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,877
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lazar, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 876-1170 x 8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-163-877-7

Query Match 59.3%; Score 17.8; DB 1; Length 406;
Best Local Similarity 75.9%; Pred. No. 47;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGTTATCATGCCAA 29
Db 145 ATCATTGACCCCAAGGCGTATGCTGCCAA 173

RESULT 15
US-08-360-914B-7
Sequence 7, Application US/08360914B
Patent No. 5756308

GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
City: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,914B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazar, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260
TELEFAX: 617 876-5851

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-360-914B-7

Query Match 59.3%; Score 17.8; DB 1; Length 406;
Best Local Similarity 75.9%; Pred. No. 47;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGTTATCATGCCAA 29
Db 145 ATCATTGACCCCAAGGCGTATGCTGCCAA 173

Search completed: December 5, 2003, 03:08:21
Job time : 35.2558 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 402.326 Seconds
(without alignments)
247.829 Million cell updates/sec

Title: US-09-913-524-35
Perfect score: 30
Sequence: 1 atccatgcctccctcgtatcatgccaac 30

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|------------------------|--------------------|
| 1 | 28.4 | 94.7 | 405 | 9 US-09-962-436-169 | Sequence 169, App |
| 2 | 28.4 | 94.7 | 425 | 12 US-09-738-630-95 | Sequence 95, App1 |
| 3 | 28.4 | 94.7 | 1620 | 11 US-09-918-995-24537 | Sequence 24537, A |
| 4 | 28.4 | 94.7 | 1620 | 14 US-10-084-817-59 | Sequence 59, App1 |
| 5 | 28.4 | 94.7 | 1840 | 12 US-10-241-220-15 | Sequence 15, App1 |
| 6 | 28.4 | 94.7 | 1840 | 12 US-10-301-822-88 | Sequence 88, App1 |
| 7 | 28.4 | 94.7 | 1840 | 14 US-10-171-311-94 | Sequence 94, App1 |
| 8 | 28.4 | 94.7 | 1840 | 14 US-10-177-293-231 | Sequence 231, App |
| 9 | 28.4 | 94.7 | 2462 | 14 US-10-198-846-13039 | Sequence 13039, A |
| 10 | 28.4 | 94.7 | 4068 | 9 US-09-962-436-295 | Sequence 295, App |
| 11 | 28.4 | 94.7 | 4068 | 10 US-09-954-531-182 | Sequence 182, App |
| 12 | 28.4 | 94.7 | 6084 | 11 US-09-954-531-387 | Sequence 387, App |
| 13 | 28.4 | 94.7 | 6084 | 11 US-09-918-624B-3 | Sequence 3, App1 |
| 14 | 28.4 | 94.7 | 14416 | 11 US-09-764-891-8179 | Sequence 8179, App |
| 15 | 19.6 | 65.3 | 63720 | 12 US-10-034-650-46 | Sequence 46, App1 |
| 16 | 19.6 | 65.3 | 63720 | 14 US-10-105-637-4 | Sequence 4, App1 |

| | | | | | | |
|------|------|------|-----|----|----------------------|-------------------|
| C 17 | 19.4 | 64.7 | 611 | 12 | US-10-027-632-201917 | Sequence 201917, |
| C 18 | 19.4 | 64.7 | 611 | 12 | US-10-027-632-201918 | Sequence 201918, |
| C 19 | 19.4 | 64.7 | 611 | 12 | US-10-027-632-201917 | Sequence 201917, |
| C 20 | 19.4 | 64.7 | 611 | 13 | US-10-027-632-201918 | Sequence 201918, |
| C 21 | 19.4 | 64.7 | 611 | 13 | US-10-133-937-86 | Sequence 86, App1 |
| C 22 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 23 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 24 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 25 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 26 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 27 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 28 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 29 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 30 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 31 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 32 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 33 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 34 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 35 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 36 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 37 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 38 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 39 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 40 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 41 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 42 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 43 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 44 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |
| C 45 | 19.4 | 64.7 | 611 | 12 | US-10-133-937-86 | Sequence 86, App1 |

ALIGNMENTS

RESULT 1
US-09-962-436-169/c
; Sequence 169, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-75
; CURRENT APPLICATION NUMBER: US/09/962,436
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/60/235,082
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/234,924
; NUMBER OF SEQ ID NOS: 568
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 169
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-436-169

Query Match 94.7% Score 28.4; DB 9; Length 405;
Best Local Similarity 96.7% Pred. No. 0.0067; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCCATGCTCCCTCGTATCATGCCAAC 30
DB 384 ATCCATGCTCCCTCGTATCATGCCAAC 355

RESULT 2
US-09-738-630-95
; Sequence 95, Application US/09738630
; Publication No. US2003016213A1

GENERAL INFORMATION:
APPLICANT: Greenpan, Ralph J.
TITLE OF INVENTION: Methods For Identifying Compounds That
TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent
FILE REFERENCE: P-NI 3906
CURRENT APPLICATION NUMBER: US/09/738,630
CURRENT FILING DATE: 2000-12-15
NUMBER OF SEQ ID NOS: 105
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 95
LENGTH: 425
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(390)
US-09-738-630-95

Query Match 94.7%; Score 28.4; DB 12; Length 425;
Best Local Similarity 96.7%; Pred. No. 0.0068;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGGTTATCATGCCCAAC 30
DB 127 ATCATTGCTCCCTCTGGCTATCATGCCCAAC 156

RESULT 3
US-09-918-995-24537
Sequence 24537, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 24537
LENGTH: 494
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(494)
OTHER INFORMATION: n = A, T, C or G
US-09-918-995-24537

Query Match 94.7%; Score 28.4; DB 11; Length 494;
Best Local Similarity 96.7%; Pred. No. 0.007;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGGTTATCATGCCCAAC 30
DB 158 ATCATTGCTCCCTCTGGCTATCATGCCCAAC 187

RESULT 4
US-10-084-817-59
Sequence 59, Application US/10084817
Publication No. US20030119009A1
GENERAL INFORMATION:
APPLICANT: Susan Stuart
APPLICANT: Jed G. Nuchtern
APPLICANT: Sharon E. Pion
APPLICANT: Jason M. Shohet
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION

FILE REFERENCE: PA-0046 US
CURRENT APPLICATION NUMBER: US/10/084,817
CURRENT FILING DATE: 2002-02-25
PRIOR APPLICATION NUMBER: 60/270,784
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 365
SOFTWARE: PERL Program
SEQ ID NO 59
LENGTH: 1620
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1
NAME/KEY: unsure
LOCATION: 120
OTHER INFORMATION: a, t, c, g, or other
US-10-084-817-59

Query Match 94.7%; Score 28.4; DB 14; Length 1620;
Best Local Similarity 96.7%; Pred. No. 0.0085;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGGTTATCATGCCCAAC 30
DB 1230 ATCATTGCTCCCTCTGGCTATCATGCCCAAC 1259

RESULT 5
US-10-241-220-15
Sequence 15, Application US/10241220
Publication No. US20030148408A1
GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF TUMOR
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 15
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapien
US-10-241-220-15

Query Match 94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0087;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTCTGGTTATCATGCCCAAC 30
DB 1100 ATCATTGCTCCCTCTGGCTATCATGCCCAAC 1129

RESULT 6
US-10-301-822-88
Sequence 88, Application US/10301822
Publication No. US20030148410A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Berger, Allison
APPLICANT: Guillemette, Tracy L.
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.

APPLICANT: Thibodeau, Stephen N.
APPLICANT: Burgart, Lawrence J.
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF COLON CANCER
FILE REFERENCE: MP001-029P2RNM
CURRENT APPLICATION NUMBER: US/10/301,822
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 60/339,971
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: US 60/361,978
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/381,988
PRIOR FILING DATE: 2002-05-20
NUMBER OF SEQ ID NOS: 228
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 88
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (86)...(1366)
US-10-301-822-88

Query Match 94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30
DB 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 7
US-10-171-311-94
Sequence 94, Application US/10171311
Publication No. US20030087270A1
GENERAL INFORMATION:
APPLICANT: Schlegel, Robert
APPLICANT: Chen, Yan
APPLICANT: Zhao, Xumei
APPLICANT: Monahan, John
APPLICANT: Kamatkar, Shubhangt
APPLICANT: Glat, Karen
APPLICANT: Ganavarrpu, Manjula
APPLICANT: Hoersch, Sebastian
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: OF CERVICAL CANCER
FILE REFERENCE: MRI-035
CURRENT APPLICATION NUMBER: US/10/171,311
CURRENT FILING DATE: 2002-06-12
PRIOR APPLICATION NUMBER: US 60/298,159
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,155
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/335,936
PRIOR FILING DATE: 2001-11-14
NUMBER OF SEQ ID NOS: 238
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 94
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
US-10-171-311-94

Query Match 94.7%; Score 28.4; DB 14; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30

DB 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 8
US-10-177-293-231
Sequence 231, Application US/10177293
Publication No. US20030124128A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Glat, Karen
APPLICANT: Zhao, Xumei
APPLICANT: Ganavarrpu, Manjula
APPLICANT: Kamatkar, Shubhangt
APPLICANT: Mertens, Maureen
APPLICANT: Myer, Vic
APPLICANT: Wang, Youzhen
APPLICANT: Xu, Yongyao
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
APPLICANT: Bast Jr., Robert C.
APPLICANT: Horobagyi, Gabriel N.
APPLICANT: Puzstai, Lajos
APPLICANT: Mexic, Funda
APPLICANT: Sahin, Aysegul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 60/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 231
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
US-10-177-293-231

Query Match 94.7%; Score 28.4; DB 14; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30
DB 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 9
US-10-198-846-13039
Sequence 13039, Application US/10198846
Publication No. US2003009974A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, Youzhen
APPLICANT: Steinmann, Kathleen
APPLICANT: Kamatkar, Shubhangt
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
FILE REFERENCE: MRI-049

CURRENT APPLICATION NUMBER: US/10/198,846
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13039
LENGTH: 2462
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 2460, 2461, 2462
OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13039

Query Match 94.7%; Score 28.4; DB 14; Length 2462;
Best Local Similarity 96.7%; Pred. No. 0.0091;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGTTATCATGCCAAC 30
DB 1296 ATCATTGCTCCCTGCTGTTATCATGCCAAC 1325

RESULT 10
US-09-962-436-295
Sequence 295, Application US/09962436
Patent No. US20020081301A1
GENERAL INFORMATION:
APPLICANT: Sopet, Daniel
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
TITLE OF INVENTION: Sets
FILE REFERENCE: 689290-75
CURRENT APPLICATION NUMBER: US/09/962,436
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/235,082
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/234,924
PRIOR FILING DATE: 2000-09-25
NUMBER OF SEQ ID NOS: 568
SOFTWARE: PatentIn version 3.0
SEQ ID NO 295
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-962-436-295

Query Match 94.7%; Score 28.4; DB 9; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.0099;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGTTATCATGCCAAC 30
DB 1093 ATCATTGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 11
US-09-954-531-182
Sequence 182, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034

PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 182
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-182

Query Match 94.7%; Score 28.4; DB 10; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.0099;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGTTATCATGCCAAC 30
DB 1093 ATCATTGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 12
US-09-954-531-387
Sequence 387, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 387
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-387

Query Match 94.7%; Score 28.4; DB 10; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.0099;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGTTATCATGCCAAC 30
DB 1093 ATCATTGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 13
US-09-918-624B-3
Sequence 3, Application US/09918624B
Publication No. US20030113720A1
GENERAL INFORMATION:
APPLICANT: Schebye, Xiao Min
TITLE OF INVENTION: CDNAS EXPRESSED IN ADIPOCYTE DIFFERENTIATION
FILE REFERENCE: PA-0033 US
CURRENT APPLICATION NUMBER: US/09/918,624B
CURRENT FILING DATE: 2002-12-03
PRIOR APPLICATION NUMBER: 60/222,470
PRIOR FILING DATE: 2000-07-28

```

; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 6084
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030113720A1 344741.1
; NAME/KEY: unsure
; LOCATION: 1638, 1645, 1650, 1656, 1658-1659, 1661, 1667, 1669, 1675, 2055-2094,
; LOCATION: 2640-2663, 5680, 5684, 5699, 5725-5726
; OTHER INFORMATION: a, t, c, g, or other
; US-09-918-624B-3

```

```

Query Match          94.7%; Score 28.4; DB 11; Length 6084;
Best Local Similarity 96.7%; Pred. No. 0.011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 ATCATGTCCCTCTGCTATCATGCCAAC 30
DB      1270 ATCATGTCCCTCTGCTATCATGCCAAC 1299

```

```

RESULT 14
US-09-764-891-8179
; Sequence 8179, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8179
; LENGTH: 14416
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-891-8179

```

```

Query Match          94.7%; Score 28.4; DB 11; Length 14416;
Best Local Similarity 96.7%; Pred. No. 0.012;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 ATCATGTCCCTCTGCTATCATGCCAAC 30
DB      13179 ATCATGTCCCTCTGCTATCATGCCAAC 13208

```

```

RESULT 15
US-10-034-650-46/c
; Sequence 46, Application US/10034650
; Publication No. US20030216558A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000128
; CURRENT APPLICATION NUMBER: US/10/034,650
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 09/474,377
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 63720

```

```

; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-034-650-46

```

```

Query Match          65.3%; Score 19.6; DB 12; Length 63720;
Best Local Similarity 84.6%; Pred. No. 1.3e+02;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```

```

QY      5 TTGCTCCCTCTGCTATCATGCCAAC 30
DB      61141 TTTCCTCCCTCTGCTATCATGCCAAC 61116

```

```

Search completed: December 5, 2003, 06:10:29
Job time : 403.326 secs

```

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: February 2, 2004, 15:10:27 ; Search time 14 Seconds
(without alignments)
75.555 Million cell updates/sec

Title: US-09-913-524-1

Sequence: 1 PMSFSAIRLQRPPEPAHANCHR 25

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/PTCUTS_COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 143 | 100.0 | 351 | 1 | US-08-197-792-39 |
| 2 | 143 | 100.0 | 351 | 1 | US-08-459-850-39 |
| 3 | 143 | 100.0 | 351 | 1 | US-08-459-214-39 |
| 4 | 131 | 91.6 | 364 | 1 | US-08-197-792-29 |
| 5 | 131 | 91.6 | 364 | 1 | US-08-459-850-29 |
| 6 | 131 | 91.6 | 364 | 1 | US-08-459-214-29 |
| 7 | 110 | 76.9 | 122 | 1 | US-08-581-5238-16 |
| 8 | 110 | 76.9 | 122 | 1 | US-08-455-559-22 |
| 9 | 110 | 76.9 | 122 | 2 | US-08-525-5968-26 |
| 10 | 110 | 76.9 | 122 | 2 | US-08-581-528A-16 |
| 11 | 110 | 76.9 | 122 | 3 | US-09-097-615-16 |
| 12 | 110 | 76.9 | 122 | 3 | US-09-177-860A-26 |
| 13 | 110 | 76.9 | 122 | 3 | US-08-624-635-18 |
| 14 | 110 | 76.9 | 122 | 3 | US-09-145-060-22 |
| 15 | 110 | 76.9 | 122 | 4 | US-09-629-938-26 |
| 16 | 110 | 76.9 | 122 | 5 | PCT-US94-00657-22 |
| 17 | 110 | 76.9 | 122 | 5 | PCT-US94-07752-16 |
| 18 | 110 | 76.9 | 122 | 5 | PCT-US94-07759-16 |
| 19 | 106 | 74.1 | 121 | 1 | US-08-481-377-20 |
| 20 | 106 | 74.1 | 121 | 2 | US-08-491-835-18 |
| 21 | 106 | 74.1 | 121 | 3 | US-09-153-733A-20 |
| 22 | 106 | 74.1 | 121 | 3 | US-08-946-092A-18 |
| 23 | 106 | 74.1 | 121 | 4 | US-09-172-062-18 |
| 24 | 106 | 74.1 | 121 | 4 | US-09-301-520D-18 |
| 25 | 106 | 74.1 | 121 | 4 | US-09-389-705-20 |
| 26 | 106 | 74.1 | 121 | 5 | PCT-US94-00656-20 |
| 27 | 106 | 74.1 | 121 | 5 | PCT-US94-00685-18 |

| | | | | | | |
|----|------|------|------|---|----------------------|--------------------|
| 28 | 96 | 67.1 | 26 | 1 | US-08-197-792-1 | Sequence 1, Appl1 |
| 29 | 96 | 67.1 | 26 | 1 | US-08-459-850-1 | Sequence 1, Appl1 |
| 30 | 96 | 67.1 | 26 | 1 | US-08-459-214-1 | Sequence 1, Appl1 |
| 31 | 75 | 52.4 | 116 | 1 | US-08-197-792-38 | Sequence 38, Appl1 |
| 32 | 75 | 52.4 | 116 | 1 | US-08-459-850-38 | Sequence 38, Appl1 |
| 33 | 75 | 52.4 | 116 | 1 | US-08-459-214-38 | Sequence 38, Appl1 |
| 34 | 73 | 51.0 | 27 | 2 | US-09-072-323-4 | Sequence 4, Appl1 |
| 35 | 73 | 51.0 | 28 | 2 | US-09-072-323-6 | Sequence 6, Appl1 |
| 36 | 63 | 44.1 | 312 | 4 | US-09-252-991A-30114 | Sequence 30114, A |
| 37 | 61 | 42.7 | 101 | 1 | US-08-481-633B-2 | Sequence 2, Appl1 |
| 38 | 61 | 42.7 | 101 | 1 | US-08-480-433A-2 | Sequence 2, Appl1 |
| 39 | 61 | 42.7 | 101 | 1 | US-08-482-638A-2 | Sequence 2, Appl1 |
| 40 | 60 | 42.0 | 145 | 4 | US-09-252-991A-32524 | Sequence 32524, A |
| 41 | 54.5 | 38.1 | 1832 | 3 | US-09-335-409-4 | Sequence 4, Appl1 |
| 42 | 54.5 | 38.1 | 1832 | 4 | US-09-568-102-4 | Sequence 4, Appl1 |
| 43 | 54.5 | 38.1 | 1832 | 4 | US-09-567-969-4 | Sequence 4, Appl1 |
| 44 | 54.5 | 38.1 | 1832 | 4 | US-09-568-460-4 | Sequence 4, Appl1 |
| 45 | 54.5 | 38.1 | 1832 | 4 | US-09-568-466-4 | Sequence 4, Appl1 |

ALIGNMENTS

RESULT 1
US-08-197-792-39
Sequence 39, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,615
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4,5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPSALRLQRPPEEPAHANCHR 25
Db 225 PWSPSALRLQRPPEEPAHANCHR 249

RESULT 2
US-08-459-850-39
Sequence 39, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2DS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4,5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPSALRLQRPPEEPAHANCHR 25
Db 225 PWSPSALRLQRPPEEPAHANCHR 249

RESULT 3
US-08-459-214-39
Sequence 39, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-39

Query Match 100.0%; Score 143; DB 1; Length 351;
Best Local Similarity 100.0%; Pred. No. 4,5e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FWSPSALRLQRPPEPAHANCGR 25
Db 225 FWSPSALRLQRPPEPAHANCGR 249

RESULT 4

US-08-197-792-29
Sequence 29, Application US/08197792

Patent No. 5525488
GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd

CITY: South San Francisco
STATE: California

COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids

TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-29

Query Match 91.6%; Score 131; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 2,1e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 FWSPSALRLQRPPEPAHANCGR 25
Db 238 FWSPSALRLQRPPEPAHANCGR 262

RESULT 5

US-08-459-850-29

Sequence 29, Application US/08459850
Patent No. 5665568

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd

CITY: South San Francisco
STATE: California

COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:

LENGTH: 364 amino acids
TYPE: amino acid

TOPOLOGY: linear
US-08-459-850-29

Query Match 91.6%; Score 131; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 2.1e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 PMSPALRLQRPPEPAHANCHR 25
DB 238 PMSPALRLQRPPEPAHANCHR 262

RESULT 6

US-08-459-214-29
Sequence 29, Application US/08455214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/144207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-29

Query Match 91.6%; Score 131; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 2.1e-10;

Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 PMSPALRLQRPPEPAHANCHR 25
DB 238 PMSPALRLQRPPEPAHANCHR 262

RESULT 7

US-08-581-529B-16
Sequence 16, Application US/08581529B
Patent No. 5770444
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,529B
FILING DATE: 15-APR-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallie, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5099
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-529B-16

Query Match 76.9%; Score 110; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPAHANCHR 25
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 8

US-08-455-559-22
Sequence 22, Application US/08455559
Patent No. 5801014
GENERAL INFORMATION:
APPLICANT: LEE, SE-JIN
APPLICANT: HUYNH, THANH
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: SPENSLLEY HORN JUBAS & LUBITZ

STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,559
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: WETHERELL, JR. PH.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD2280
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/455-5100
TELEFAX: 619-455-5110
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-455-559-22

Query Match 76.9%; Score 110; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. NO. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAAHANCHR 25
DB 1 ALRLQRPPEPPAAHANCHR 20

RESULT 9
US-08-525-596B-26
Sequence 26, Application US/08525596B
Patent No. 5827733
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,596B
FILING DATE: 19-SEP-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-525-596B-26

Query Match 76.9%; Score 110; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. NO. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAAHANCHR 25
DB 1 ALRLQRPPEPPAAHANCHR 20

RESULT 10
US-08-581-528A-16
Sequence 16, Application US/08581528A
Patent No. 5986058
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,528A
FILING DATE: 03-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/089,670
FILING DATE: 09-JUL-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallie, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/081001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5099
TELEFAX: 619/678-5070
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-528A-16

Query Match 76.9%; Score 110; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 11

US-09-097-616-16
Sequence 16, Application US/09097616
Patent No. 6090563
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,616
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/581,529
FILING DATE: 15-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallie, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-097-616-16

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 12

US-09-177-860A-26
Sequence 26, Application US/09177860A
Patent No. 6096506
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860A
CLASSIFICATION: 424
FILING DATE: 23-OCT-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hallie, Ph.D, Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-177-860A-26

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 13

US-08-624-635-18
Sequence 18, Application US/08624635
Patent No. 6204047
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Spensley Horn Juhas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California

COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/624,635
FILING DATE: 16-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/134,078
FILING DATE: 08-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-624-635-18

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPPAAHANCHR 25
Db 1 ALRLQRPPEPPAAHANCHR 20

RESULT 14
US-09-145-060-22
Sequence 22, Application US/09145060
Patent No. 6245896
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/145,060
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,559
FILING DATE: 31-MAY-1995
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Halle, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
US-09-145-060-22

Query Match 76.9%; Score 110; DB 3; Length 122;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPPAAHANCHR 25
Db 1 ALRLQRPPEPPAAHANCHR 20

RESULT 15
US-09-629-938-26
Sequence 26, Application US/09629938
Patent No. 650664
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION
FACTOR-8 AND METHODS OF USING SAME (Amended)
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/629,938
FILING DATE: 01-AUG-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/177,860
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Halle, Ph.D. Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 2, 2004, 15:14:52 ; Search time 27.5 Seconds
(without alignments)
188.931 Million cell updates/sec

Title: US-09-913-524-1

Perfect score: 143

Sequence: 1 PMSPSALRLQRPPEBPAHANCR 25

Scoring table:

BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 789580 seqs, 207824079 residues

Total number of hits satisfying chosen parameters: 789580

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 143 | 100.0 | 134 | 12 | US-10-125-187-2 |
| 2 | 143 | 100.0 | 134 | 10 | US-09-813-398-18 |
| 3 | 110 | 76.9 | 122 | 10 | US-09-813-459-18 |
| 4 | 110 | 76.9 | 122 | 10 | US-09-859-211-44 |
| 5 | 110 | 76.9 | 122 | 10 | US-09-880-708-22 |
| 6 | 110 | 76.9 | 122 | 11 | US-09-872-856-44 |
| 7 | 110 | 76.9 | 122 | 15 | US-10-335-483-26 |
| 8 | 106 | 74.1 | 121 | 14 | US-10-115-406-18 |
| 9 | 106 | 74.1 | 121 | 15 | US-10-154-333-20 |
| 10 | 100 | 69.9 | 26 | 12 | US-09-930-915A-252 |
| 11 | 100 | 69.9 | 26 | 12 | US-10-082-014-74 |
| 12 | 100 | 69.9 | 26 | 12 | US-10-372-076-75 |
| 13 | 80 | 55.9 | 14 | 12 | US-10-125-187-7 |
| 14 | 80 | 55.9 | 14 | 12 | US-10-125-187-41 |
| 15 | 76 | 53.1 | 14 | 12 | US-10-125-187-5 |

| | | | | | | |
|----|------|------|------|----|---------------------|-------------------|
| 16 | 76 | 53.1 | 14 | 12 | US-10-125-187-38 | Sequence 38, Appl |
| 17 | 73 | 51.0 | 14 | 12 | US-10-125-187-39 | Sequence 39, Appl |
| 18 | 72 | 50.3 | 14 | 12 | US-10-125-187-8 | Sequence 8, Appl |
| 19 | 72 | 50.3 | 14 | 12 | US-10-125-187-42 | Sequence 42, Appl |
| 20 | 71 | 49.7 | 14 | 12 | US-10-125-187-37 | Sequence 37, Appl |
| 21 | 70 | 49.0 | 14 | 12 | US-10-125-187-6 | Sequence 6, Appl |
| 22 | 70 | 49.0 | 14 | 12 | US-10-125-187-40 | Sequence 40, Appl |
| 23 | 61 | 42.7 | 101 | 12 | US-10-262-581-2 | Sequence 2, Appl |
| 24 | 59 | 41.3 | 14 | 12 | US-10-125-187-4 | Sequence 4, Appl |
| 25 | 59 | 41.3 | 14 | 12 | US-10-125-187-36 | Sequence 36, Appl |
| 26 | 55.5 | 38.8 | 133 | 12 | US-10-108-160A-2916 | Sequence 2916, Ap |
| 27 | 55.5 | 38.8 | 368 | 9 | US-09-768-703-2 | Sequence 2, Appl |
| 28 | 55.5 | 38.8 | 368 | 12 | US-10-272-983-6 | Sequence 6, Appl |
| 29 | 55.5 | 38.8 | 368 | 12 | US-10-312-094-3 | Sequence 3, Appl |
| 30 | 55.5 | 38.8 | 368 | 12 | US-10-393-807-6 | Sequence 6, Appl |
| 31 | 55.5 | 38.8 | 368 | 12 | US-10-417-820A-6 | Sequence 6, Appl |
| 32 | 55.5 | 38.8 | 368 | 15 | US-10-225-567A-627 | Sequence 627, App |
| 33 | 55.5 | 38.8 | 368 | 15 | US-10-220-382-4 | Sequence 4, Appl |
| 34 | 54.5 | 38.1 | 1832 | 14 | US-10-014-717-4 | Sequence 4, Appl |
| 35 | 51.5 | 36.0 | 116 | 9 | US-09-864-761-40280 | Sequence 40280, A |
| 36 | 50.5 | 35.3 | 2439 | 14 | US-10-014-717-7 | Sequence 7, Appl |
| 37 | 50 | 35.0 | 14 | 12 | US-10-125-187-35 | Sequence 35, Appl |
| 38 | 50 | 35.0 | 454 | 15 | US-10-156-761-13939 | Sequence 13939, A |
| 39 | 50 | 35.0 | 3122 | 12 | US-10-200-562-201 | Sequence 201, App |
| 40 | 50 | 35.0 | 3122 | 12 | US-10-237-551-201 | Sequence 201, App |
| 41 | 50 | 35.0 | 3122 | 12 | US-10-237-551-250 | Sequence 250, App |
| 42 | 49.5 | 34.6 | 448 | 12 | US-10-369-493-13741 | Sequence 13741, A |
| 43 | 49 | 34.3 | 517 | 15 | US-10-156-761-9172 | Sequence 9172, Ap |
| 44 | 49 | 34.3 | 2301 | 11 | US-09-822-671-4 | Sequence 4, Appl |
| 45 | 48.5 | 33.9 | 70 | 12 | US-09-864-408A-8162 | Sequence 8162, Ap |

ALIGNMENTS

RESULT 1
US-10-125-187-2
; Sequence 2, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
US-10-125-187-2

Query Match 100.0%; Score 143; DB 12; Length 134;
Best Local Similarity 100.0%; Pred. No. 1.3e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 PMSPSALRLQRPPEBPAHANCR 25
DB 8 PMSPSALRLQRPPEBPAHANCR 32

RESULT 2
US-09-813-398-18
Sequence 18, Application US/09813398
Patent No. US20020169292A1
GENERAL INFORMATION:
APPLICANT: Bruce D. Weintrub
APPLICANT: Mariusz W. Szakulinski
APPLICANT: University of Maryland
TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
FILE REFERENCE: USPM 003C1
CURRENT APPLICATION NUMBER: US/09/813,398
CURRENT FILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: PCT/US99/05908
PRIOR FILING DATE: 1999-03-19
PRIOR APPLICATION NUMBER: PCT/US98/19772
PRIOR FILING DATE: 1998-09-22
NUMBER OF SEQ ID NOS: 41
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 367
TYPE: PRT
ORGANISM: HOMO SAPIEN
US-09-813-398-18

Query Match 100.0%; Score 143; DB 10; Length 367;
Best Local Similarity 100.0%; Pred. No. 3.2e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPPEPAHANCHR 25
Db 241 PWSPALRLQRPPEPAHANCHR 265

RESULT 3
US-09-813-459-18
Sequence 18, Application US/09813459
Patent No. US20020107369A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: Cunningham, No. US20020107369A1
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/813,459
FILING DATE: 20-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/624,635
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULAR TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-813-459-18

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
Db 1 ALRLQRPPEPAHANCHR 20

RESULT 4
US-09-859-211-44
Sequence 44, Application US/09859211
Patent No. US20020157125A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: McPherson, Alexandra C.
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
FILE REFERENCE: 07265/144001
CURRENT APPLICATION NUMBER: US/09/859,211
CURRENT FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: 08/525,596
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: PCT/US94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-859-211-44

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
Db 1 ALRLQRPPEPAHANCHR 20

RESULT 5
US-09-880-708-22
Sequence 22, Application US/09880708
Patent No. US20020165361A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
APPLICANT: Huynh, Than
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600

CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121-2189
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: PasteSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,708
FILING DATE: 12-Jun-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/145,060
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858/677-1456
TELEFAX: 619/677-1465
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22
Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 6 ALRLQRPPEEPAHANCHR 25
DB 1 ALRLQRPPEEPAHANCHR 20
RESULT 6
US-09-872-856-44
Sequence 44, Application US/09872856
Publication No. US20030074680A1
GENERAL INFORMATION:
APPLICANT: Johns Hopkins University School of Medicine
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: Growth Differentiation Factor-8
FILE REFERENCE: JHU1120-17
CURRENT APPLICATION NUMBER: US/09/872,856
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 09/124,180
PRIOR FILING DATE: 1998-07-28
PRIOR APPLICATION NUMBER: US 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: US 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: US 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: US 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: US 08/525,596
PRIOR FILING DATE: 1995-10-25
PRIOR APPLICATION NUMBER: PCT/US 94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: US 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 53

SOFTWARE: PatentIn version 3.1
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-872-856-44
Query Match 76.9%; Score 110; DB 11; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 6 ALRLQRPPEEPAHANCHR 25
DB 1 ALRLQRPPEEPAHANCHR 20
RESULT 7
US-10-335-483-26
Sequence 26, Application US/10335483
Publication No. US20030120058A1
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-Jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: PasteSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,483
FILING DATE: 31-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Metherell, Jr., Ph.D, John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-335-483-26
Query Match 76.9%; Score 110; DB 15; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

PRIOR FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 290
SOFTWARE: PatentIn version 3.1
SEQ ID NO 74
LENGTH: 26
TYPE: PRT
ORGANISM: Bovine Inhibin
US-10-082-014-74

Query Match 69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 7.1e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEPPA 19
Db 8 PMSPALRLQRPPEPPA 26

RESULT 12
US-10-372-076-75
Sequence 75, Application US/10372076
Publication No. US20030198645A1
GENERAL INFORMATION:
APPLICANT: Piele, Mark
APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/080,299
PRIOR FILING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: 10/082,014
PRIOR FILING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 308
SOFTWARE: PatentIn version 3.2
SEQ ID NO 75
LENGTH: 26
TYPE: PRT
ORGANISM: Bovine Inhibin
US-10-372-076-75

Query Match 69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 7.1e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEPPA 19
Db 8 PMSPALRLQRPPEPPA 26

RESULT 13
US-10-125-187-7
Sequence 7, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN
TITLE OF INVENTION: METHODS OF USING SAME
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7

LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 7 of
US-10-125-187-7

Query Match 55.9%; Score 80; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LQRPPEPPAHANC 23
Db 1 LQRPPEPPAHANC 14

RESULT 14
US-10-125-187-41
Sequence 41, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN
TITLE OF INVENTION: METHODS OF USING SAME
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 8 of
US-10-125-187-41

Query Match 55.9%; Score 80; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LQRPPEPPAHANC 23
Db 1 LQRPPEPPAHANC 14

RESULT 15
US-10-125-187-5
Sequence 5, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN
TITLE OF INVENTION: METHODS OF USING SAME
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03

;; PRIOR APPLICATION NUMBER: AU PQ 3485
;; PRIOR FILING DATE: 1999-10-18
;; NUMBER OF SEQ ID NOS: 77
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 5
;; LENGTH: 14
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
;; OTHER INFORMATION: TABLE 1
US-10-125-187-5

Query Match 53.1%; Score 76; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0042;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 WSPSALRLQRPPE 15
|||
|||
|||
|||
|||
|||
|||
|||
|||
|||
Db 1 WSPSALRLQRPPE 14

Search completed: February 2, 2004, 15:23:57
Job time : 28.5 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 15:48:45 ; Search time 27.4109 Seconds

(without alignments)
547.485 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34

Sequence: 1 aggcctccggagagacgcgcctccatcccaact 34

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents NA:*

2: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | ID | Description |
|------------|-------|--------------------|----|----------------------|
| 1 | 34 | 100.0 | 1 | US-08-197-792-40 |
| 2 | 34 | 100.0 | 1 | US-08-459-850-40 |
| 3 | 34 | 100.0 | 1 | US-08-459-214-40 |
| 4 | 24.4 | 71.8 | 1 | US-08-197-792-30 |
| 5 | 24.4 | 71.8 | 1 | US-08-459-850-30 |
| 6 | 24.4 | 71.8 | 1 | US-08-459-214-30 |
| 7 | 21.8 | 64.1 | 1 | US-09-252-991A-14968 |
| 8 | 21.8 | 64.1 | 1 | US-09-252-991A-14782 |
| 9 | 20.2 | 59.4 | 4 | US-09-008-097-3 |
| 10 | 20.2 | 59.4 | 4 | US-09-008-097-5 |
| 11 | 20.2 | 59.4 | 1 | US-07-793-961A-1 |
| 12 | 20.2 | 59.4 | 1 | US-08-240-357-1 |
| 13 | 20.2 | 59.4 | 1 | US-08-726-214-11 |
| 14 | 20.2 | 59.4 | 4 | US-09-474-076-1 |
| 15 | 20.2 | 59.4 | 4 | US-08-311-731A-137 |
| 16 | 19.6 | 57.6 | 4 | US-09-016-434-1412 |
| 17 | 19.4 | 57.1 | 4 | US-09-679-279-1 |
| 18 | 19.2 | 56.5 | 4 | US-09-252-991A-9780 |
| 19 | 19 | 55.9 | 1 | US-08-704-398-1 |
| 20 | 19 | 55.9 | 5 | PCT-US95-05966-1 |
| 21 | 18.8 | 55.3 | 4 | US-09-252-991A-16386 |
| 22 | 18.8 | 55.3 | 4 | US-09-252-991A-16212 |
| 23 | 18.8 | 55.3 | 4 | US-09-252-991A-16493 |
| 24 | 18.8 | 55.3 | 4 | US-09-443-184-44 |
| 25 | 18.8 | 55.3 | 4 | US-09-203-258-124 |
| 26 | 18.8 | 55.3 | 4 | US-09-252-991A-16005 |
| 27 | 18.8 | 55.3 | 4 | US-09-620-312D-464 |

| | | | | | | |
|----|------|------|-------|---|---------------------|-------------------|
| 28 | 18.6 | 54.7 | 516 | 5 | PCT-US95-02795A-3 | Sequence 3, Appl1 |
| 29 | 18.6 | 54.7 | 521 | 1 | US-08-481-633B-1 | Sequence 1, Appl1 |
| 30 | 18.6 | 54.7 | 521 | 1 | US-08-480-493A-1 | Sequence 1, Appl1 |
| 31 | 18.6 | 54.7 | 521 | 1 | US-08-482-638A-1 | Sequence 1, Appl1 |
| 32 | 18.6 | 54.7 | 531 | 5 | PCT-US95-02795A-1 | Sequence 1, Appl1 |
| 33 | 18.6 | 54.7 | 840 | 4 | US-09-529-727-1 | Sequence 1, Appl1 |
| 34 | 18.6 | 54.7 | 1059 | 4 | US-09-252-991A-7911 | Sequence 7911, Ap |
| 35 | 18.6 | 54.7 | 1338 | 4 | US-09-252-991A-7764 | Sequence 7764, Ap |
| 36 | 18.6 | 54.7 | 1494 | 4 | US-09-252-991A-7568 | Sequence 7568, Ap |
| 37 | 18.6 | 54.7 | 4473 | 3 | US-08-894-173-1 | Sequence 1, Appl1 |
| 38 | 18.6 | 54.7 | 4473 | 3 | US-09-398-193-1 | Sequence 1, Appl1 |
| 39 | 18.6 | 54.7 | 45546 | 4 | US-09-146-053-6 | Sequence 6, Appl1 |
| 40 | 18.4 | 54.1 | 176 | 4 | US-09-397-787-331 | Sequence 331, App |
| 41 | 18.4 | 54.1 | 613 | 2 | US-08-658-639-11 | Sequence 11, Appl |
| 42 | 18.4 | 54.1 | 613 | 3 | US-08-944-604-11 | Sequence 11, Appl |
| 43 | 18.4 | 54.1 | 903 | 3 | US-08-944-604-15 | Sequence 15, Appl |
| 44 | 18.4 | 54.1 | 1607 | 4 | US-09-853-768-13 | Sequence 13, Appl |
| 45 | 18.4 | 54.1 | 2497 | 4 | US-09-396-149-1 | Sequence 1, Appl1 |

ALIGNMENTS

RESULT 1
US-08-197-792-40
Sequence 40, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197.792
CLASSIFICATION: 435
FILING DATE: 16-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGGCTCCGAGAAACCGCTGCCATGCCAACT 34
Db 708 AGGCTCCGAGAAACCGCTGCCATGCCAACT 741

RESULT 2

US-08-459-850-40
Sequence 40, Application US/08459850
Patent No. 5655568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGGCTCCGAGAAACCGCTGCCATGCCAACT 34
Db 708 AGGCTCCGAGAAACCGCTGCCATGCCAACT 741

RESULT 3

US-08-459-214-40
Sequence 40, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-40

Query Match 100.0%; Score 34; DB 1; Length 1237;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34
Db 708 AGGCTCCGAGAACCGGCTGCCATGCCACT 741

RESULT 4
US-08-197-792-30
Sequence 30, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34
Db 816 AGGCTCCGAGAACCGGCTGCCATGCCACT 849

RESULT 5
US-08-459-850-30
Sequence 30, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34
DB 816 AGGCTCCGAGAACCGGCTGCCATGCCACT 849

RESULT 6

US-08-459-214-30
Sequence 30, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using Such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/952-9881
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;
Best Local Similarity 82.4%; Pred. No. 1.7;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34
DB 816 AGGCTCCGAGAACCGGCTGCCATGCCACT 849

RESULT 7

US-09-252-991A-14968/C
Sequence 14968, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14968
LENGTH: 915
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14968

Query Match 64.1%; Score 21.8; DB 4; Length 915;
Best Local Similarity 78.8%; Pred. No. 15;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 2 GGCTCCGAGAACCGGCTGCCATGCCACT 34
DB 561 GGCTCCGAGAACCGGCTGCCATGCCACT 529

RESULT 8

US-09-252-991A-14782
Sequence 14782, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 14782
LENGTH: 1011
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14782

Query Match 64.1%; Score 21.8; DB 4; Length 1011;
Best Local Similarity 78.8%; Pred. No. 15;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 2 GGCTCCGAGAACCGGCTGCCATGCCACT 34
DB 376 GGCTCCGAGAACCGGCTGCCATGCCACT 408

```

RESULT 9
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
; TITLE OF INVENTION: HEART FAILURE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/008, 097
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dylan, Tyler M
; REGISTRATION NUMBER: 37, 612
; REFERENCE/DOCKET NUMBER: 22000-20567.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1812 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1...1812
; OTHER INFORMATION:
US-09-008-097-3

Query Match 59.4%; Score 20.2; DB 4; Length 1812;
Best Local Similarity 75.8%; Pred. No. 58;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0

Cy 2 GGCCTCCGAGAGACCGGCTGCCATGCCACT 34
Db 668 GCGTCCGAGAGCCCGGCGGCACATGCCACT 700

RESULT 10
US-09-008-097-5
; Sequence 5, Application US/09008097
; Patent No. 6306830
; GENERAL INFORMATION:
; APPLICANT: Hammond, H. Kirk
; APPLICANT: Insel, Paul A.
; APPLICANT: Ping, Peipei
; APPLICANT: Post, Steven R.
; APPLICANT: Gao, Meihua

```

```

1 TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
2 TITLE OF INVENTION: HEART FAILURE
3 NUMBER OF SEQUENCES: 9
4 CORRESPONDENCE ADDRESSES:
5 ADDRESSEE: MORRISON & FOERSTER
6 STREET: 755 PAGE MILL ROAD
7 CITY: PALO ALTO
8 STATE: CA
9 COUNTRY: USA
10 ZIP: 94304-1018
11 COMPUTER READABLE FORM:
12 MEDIUM TYPE: Diskette
13 COMPUTER: IBM Compatible
14 OPERATING SYSTEM: DOS
15 SOFTWARE: PASCSEQ for Windows Version 2.0
16 CURRENT APPLICATION DATA:
17 APPLICATION NUMBER: US/09/008,097
18 FILING DATE:
19 CLASSIFICATION:
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER:
22 FILING DATE:
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Dylan, Tyler M
25 REGISTRATION NUMBER: 37,612
26 REFERENCE/DOCKET NUMBER: 22000-20567, 21
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: 650-813-5600
29 TELEFAX: 650-494-0792
30 TELEX: 706141
31 INFORMATION FOR SEQ ID NO: 5:
32 SEQUENCE CHARACTERISTICS:
33 LENGTH: 3549 base pairs
34 TYPE: nucleic acid
35 STRANDEDNESS: single
36 TOPOLOGY: linear
37 FEATURE:
38 NAME/KEY: Coding Sequence
39 LOCATION: 1...3501
40 OTHER INFORMATION:
41 US-09-008-097-5
42
43 Query Match 59.4%; Score 20.2; DB 4; Length 3549;
44 Best Local Similarity 75.8%; Pred. No. 59;
45 Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0.
46
47 Cy 2 GGCGTCGGAGGACCGGCTGCCGATGCCACT 34
48 ||| ||| ||| ||| ||| ||| ||| ||| |||
49 Db 1301 GGCGTCGGAGGACCGGCGGCGGCGACCATGCCACT 1333
50
51 RESULT 11
52 US-07-793-961A-1
53 Sequence 1, Application US/07793961A
54 Patent No. 5334521
55 GENERAL INFORMATION:
56 APPLICANT: Yoshihiro Ishikawa
57 TITLE OF INVENTION: Cloning and Character-
58 TITLE OF INVENTION: Iization of a Cardiac Adenylyl Cyclase
59 NUMBER OF SEQUENCES: 1
60 CORRESPONDENCE ADDRESSES:
61 ADDRESSEE: Alan M. Gordon
62 ADDRESSEE: American Cyanamid Company
63 STREET: 1937 West Main Street,
64 STREET: P.O. Box 60
65 CITY: Stamford
66 STATE: Connecticut
67 COUNTRY: USA
68 ZIP: 06904
69 COMPUTER READABLE FORM:
70 MEDIUM TYPE: Floppy Disk
71 COMPUTER: IBM PC AT
72 OPERATING SYSTEM: MS-DOS

```

SOFTWARE: ASCII from DW4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/793,961A
FILING DATE: 19911118
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2719
TELEFAX: 203 321 2971
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs listed
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34
DB 1428 GGCTCCGAGGAGCCGGGAGACCATGCCACT 1460

RESULT 12
US-08-240-357-1
Sequence 1, Application US/08240357
Patent No. 5578481
GENERAL INFORMATION:
APPLICANT: Ishikawa, Yoshihiro
TITLE OF INVENTION: Cloning and Characterization of a
NUMBER OF INVENTION: Cardiac Adenyllyl Cyclase
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA
ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/240,357
FILING DATE: 10-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-831-3244
TELEFAX: 201-831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

FEATURE:
NAME/KEY: CDS
LOCATION: 131..3625
US-08-240-357-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34
DB 1428 GGCTCCGAGGAGCCGGGAGACCATGCCACT 1460

RESULT 13
US-08-726-214-11
Sequence 11, Application US/08726214
Patent No. 6107076
GENERAL INFORMATION:
APPLICANT: Tang, Wei-Jen
APPLICANT: Gilman, Alfred G.
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,214
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,498
FILING DATE: 04-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: UTSD:450
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 4131 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-726-214-11

Query Match 59.4%; Score 20.2; DB 3; Length 4131;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34
DB 1353 GGCTCCGAGGAGCCGGGAGACCATGCCACT 1365

RESULT 14
US-09-474-076-1
Sequence 1, Application US/09474076
Patent No. 6465237
GENERAL INFORMATION:
APPLICANT: Tomlinson, James E.


```

; APPLICANT: COR Therapeutics, Inc.
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
; FILE OF INVENTION: CYCLASE
; FILE REFERENCE: 44481-5028-01-US
; CURRENT APPLICATION NUMBER: US/09/474,076
; CURRENT FILING DATE: 1999-12-12
; PRIOR APPLICATION NUMBER: PCT/US98/13694
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/070,904
; PRIOR FILING DATE: 1997-07-01
; PRIOR APPLICATION NUMBER: 08/886,550
; PRIOR FILING DATE: 1997-07-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: human type VI adenylyl cyclase
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (145)..(3648)
US-09-474-076-1

```

```

Query Match          59.4%; Score 20.2; DB 4; Length 4942;
Best Local Similarity 75.8%; Pred. No. 59;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

```

OY      2  GGCTCCGAGAGAACGGCTGCCATGCCCACT 34
Db      1448 GGCTCCGAGAGAACGGCTGCCATGCCCACT 1480

```

RESULT 15

```

US-08-311-731A-137/c
; Sequence 137, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LABRAE FOR
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSER: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40123 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)

```

```

; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-137

```

```

Query Match          59.4%; Score 20.2; DB 4; Length 40123;
Best Local Similarity 75.8%; Pred. No. 62;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

```

OY      2  GGCTCCGAGAGAACGGCTGCCATGCCCACT 34
Db      16258 GGCTCCCTCACTACCGACTGCCATGCCCACT 16226

```

```

Search completed: February 3, 2004, 21:41:41
Job time : 28.4109 secs

```

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 121.767 Seconds
(without alignments)
1028.547 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34
Sequence: 1 aggcctccgagagacgcgtccatgcacact 34

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US05_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq2:*
14: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|--------------------|
| 1 | 34 | 100.0 | 405 | US-10-125-187-1 | Sequence 1, Appl1 |
| 2 | 34 | 100.0 | 1429 | US-09-971-392-18 | Sequence 18, Appl1 |
| 3 | 34 | 100.0 | 3422 | US-09-764-891-6046 | Sequence 6046, Ap |
| 4 | 34 | 100.0 | 3422 | US-09-764-891-6048 | Sequence 6048, Ap |
| 5 | 34 | 100.0 | 3422 | US-10-091-438-271 | Sequence 271, App |
| 6 | 34 | 100.0 | 3422 | US-10-091-438-273 | Sequence 273, App |
| 7 | 21.8 | 64.1 | 918 | US-10-127-032-41 | Sequence 41, Appl |
| 8 | 21 | 61.8 | 1799 | US-10-120-988-36 | Sequence 36, Appl |
| 9 | 20.4 | 60.0 | 247 | US-09-796-692-3875 | Sequence 3875, Ap |
| 10 | 20.4 | 60.0 | 247 | US-10-057-475B-3875 | Sequence 3875, Ap |
| 11 | 20.4 | 60.0 | 247 | US-10-154-884B-3875 | Sequence 3875, Ap |
| 12 | 20.4 | 60.0 | 247 | US-10-040-862-3875 | Sequence 3875, App |
| 13 | 20.4 | 60.0 | 1125 | US-09-925-300-674 | Sequence 674, App |
| 14 | 20.4 | 60.0 | 2542 | US-10-094-749-380 | Sequence 380, Appl |
| 15 | 20.4 | 60.0 | 6109 | US-09-795-061-1 | Sequence 1, Appl1 |

| | | | | | | | |
|---|----|------|------|------|----|---------------------|--------------------|
| c | 16 | 20.2 | 59.4 | 226 | 13 | US-10-029-386-19884 | Sequence 19884, A |
| c | 17 | 20.2 | 59.4 | 500 | 13 | US-10-029-386-6153 | Sequence 6153, Ap |
| c | 18 | 20.2 | 59.4 | 1812 | 10 | US-09-750-240-3 | Sequence 3, Appl1 |
| | 19 | 20.2 | 59.4 | 3192 | 12 | US-10-128-692A-75 | Sequence 75, Appl1 |
| | 20 | 20.2 | 59.4 | 3192 | 13 | US-10-140-827-75 | Sequence 75, Appl1 |
| | 21 | 20.2 | 59.4 | 3192 | 13 | US-10-137-870-75 | Sequence 75, Appl1 |
| | 22 | 20.2 | 59.4 | 3192 | 13 | US-10-140-018-75 | Sequence 75, Appl1 |
| | 23 | 20.2 | 59.4 | 3192 | 13 | US-10-140-021-75 | Sequence 75, Appl1 |
| | 24 | 20.2 | 59.4 | 3192 | 13 | US-10-140-074-75 | Sequence 75, Appl1 |
| | 25 | 20.2 | 59.4 | 3192 | 13 | US-10-140-471-75 | Sequence 75, Appl1 |
| | 26 | 20.2 | 59.4 | 3192 | 13 | US-10-140-807-75 | Sequence 75, Appl1 |
| | 27 | 20.2 | 59.4 | 3192 | 13 | US-10-140-922-75 | Sequence 75, Appl1 |
| | 28 | 20.2 | 59.4 | 3192 | 13 | US-10-140-924-75 | Sequence 75, Appl1 |
| | 29 | 20.2 | 59.4 | 3192 | 13 | US-10-140-926-75 | Sequence 75, Appl1 |
| | 30 | 20.2 | 59.4 | 3192 | 13 | US-10-141-698-75 | Sequence 75, Appl1 |
| | 31 | 20.2 | 59.4 | 3192 | 13 | US-10-141-702-75 | Sequence 75, Appl1 |
| | 32 | 20.2 | 59.4 | 3192 | 13 | US-10-141-704-75 | Sequence 75, Appl1 |
| | 33 | 20.2 | 59.4 | 3192 | 13 | US-10-142-421-75 | Sequence 75, Appl1 |
| | 34 | 20.2 | 59.4 | 3192 | 13 | US-10-142-432-75 | Sequence 75, Appl1 |
| | 35 | 20.2 | 59.4 | 3192 | 13 | US-10-142-467-75 | Sequence 75, Appl1 |
| | 36 | 20.2 | 59.4 | 3192 | 13 | US-10-143-033-75 | Sequence 75, Appl1 |
| | 37 | 20.2 | 59.4 | 3192 | 13 | US-10-144-894-75 | Sequence 75, Appl1 |
| | 38 | 20.2 | 59.4 | 3192 | 13 | US-10-145-828-75 | Sequence 75, Appl1 |
| | 39 | 20.2 | 59.4 | 3192 | 13 | US-10-145-831-75 | Sequence 75, Appl1 |
| | 40 | 20.2 | 59.4 | 3192 | 13 | US-10-145-833-75 | Sequence 75, Appl1 |
| | 41 | 20.2 | 59.4 | 3192 | 13 | US-10-145-833-75 | Sequence 75, Appl1 |
| | 42 | 20.2 | 59.4 | 3192 | 13 | US-10-145-746-75 | Sequence 75, Appl1 |
| | 43 | 20.2 | 59.4 | 3192 | 13 | US-10-145-823-75 | Sequence 75, Appl1 |
| | 44 | 20.2 | 59.4 | 3192 | 13 | US-10-145-826-75 | Sequence 75, Appl1 |
| | 45 | 20.2 | 59.4 | 3192 | 13 | US-10-145-870-75 | Sequence 75, Appl1 |

ALIGNMENTS

RESULT 1
US-10-125-187-1
Sequence 1, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
TITLE OF INVENTION: METHODS OF USING SAME
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 405
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: alpha C fragment of human inhibin
NAME/KEY: CDS
LOCATION: (1) ..(405)
OTHER INFORMATION:
US-10-125-187-1
Query Match 100.0%; Score 34; DB 13; Length 405;
Best Local Similarity 100.0%; Pred. No. 0.0003;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGGCCTCCGAGAGACGCCTGCCATGCACACT 34

Db 55 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 88

RESULT 2

US-09-971-392-18
; Sequence 18, Application US/09971392
; Publication No. US20030134283A1
; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Pearson, Cecelia I.
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 18
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 336965.2
US-09-971-392-18

Query Match 100.0%; Score 34; DB 13; Length 1429;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 34
Db 895 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 928

RESULT 3

US-09-764-891-6046/c
; Sequence 6046, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6046
; LENGTH: 3422
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6046

Query Match 100.0%; Score 34; DB 11; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00024;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 34
Db 538 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 505

RESULT 4

US-09-764-891-6048/c
; Sequence 6048, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006
CURRENT APPLICATION NUMBER: US/09/764,891
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 10231
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6048
LENGTH: 3422
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-891-6048

Query Match 100.0%; Score 34; DB 11; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00024;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 34
Db 538 AGGCTCCGAGGAACCGGCTGCCCATGCCAACT 505

RESULT 5

US-10-091-438-271/c
; Sequence 271, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/244,617
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: 60/225,268
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/251,856
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/251,868
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/229,344
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: 60/229,343
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,345
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,287
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681

PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/225,213
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/227,182
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 100.0%; Score 34; DB 15; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00024;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCGGAGAACGGCTGCGCCATGCCACT 34
DB 538 AGGCTCGGAGAACGGCTGCGCCATGCCACT 505

RESULT 6
US-10-091-438-273

Sequence 273, Application US/10091438
Publication No. US20030077606A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PTZ17C1
CURRENT APPLICATION NUMBER: US/10/091,438

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 09/764,879

PRIOR FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 60/1179,065

PRIOR FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/180,628

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: 60/214,886

PRIOR FILING DATE: 2000-06-28

PRIOR APPLICATION NUMBER: 60/217,487

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,758

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,963

PRIOR FILING DATE: 2000-07-26

PRIOR APPLICATION NUMBER: 60/217,496

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,447

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/218,290

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/225,757

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/226,868

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/216,647

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,267

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/216,880

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/251,869

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/235,834

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: 60/234,274

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/234,223

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/228,924

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/236,369

PRIOR FILING DATE: 2000-09-25

PRIOR APPLICATION NUMBER: 60/224,519

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,964

PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/244,617

PRIOR FILING DATE: 2000-11-01

PRIOR APPLICATION NUMBER: 60/225,268

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/236,368

PRIOR FILING DATE: 2000-09-29

PRIOR APPLICATION NUMBER: 60/251,856

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/251,868

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/229,344

PRIOR FILING DATE: 2000-09-01

PRIOR APPLICATION NUMBER: 60/234,997

PRIOR FILING DATE: 2000-09-25

PRIOR APPLICATION NUMBER: 60/229,343

PRIOR FILING DATE: 2000-09-01

PRIOR APPLICATION NUMBER: 60/229,345

PRIOR FILING DATE: 2000-09-01

PRIOR APPLICATION NUMBER: 60/229,287

PRIOR FILING DATE: 2000-09-01

PRIOR APPLICATION NUMBER: 60/229,513

PRIOR FILING DATE: 2000-09-05

PRIOR APPLICATION NUMBER: 60/231,413

PRIOR FILING DATE: 2000-09-08

PRIOR APPLICATION NUMBER: 60/229,509

PRIOR FILING DATE: 2000-09-05

PRIOR APPLICATION NUMBER: 60/236,367

PRIOR FILING DATE: 2000-09-29

PRIOR APPLICATION NUMBER: 60/237,039

PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: 60/237,038

PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: 60/236,370

PRIOR FILING DATE: 2000-09-29

PRIOR APPLICATION NUMBER: 60/236,802

PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: 60/237,037

PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: 60/237,040

PRIOR FILING DATE: 2000-10-02

PRIOR APPLICATION NUMBER: 60/240,960

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/239,935

PRIOR FILING DATE: 2000-10-13

PRIOR APPLICATION NUMBER: 60/239,937

PRIOR FILING DATE: 2000-10-13

PRIOR APPLICATION NUMBER: 60/241,787

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/246,474

PRIOR FILING DATE: 2000-11-08

PRIOR APPLICATION NUMBER: 60/246,532

PRIOR FILING DATE: 2000-11-08

PRIOR APPLICATION NUMBER: 60/249,216

PRIOR FILING DATE: 2000-11-17

PRIOR APPLICATION NUMBER: 60/249,210

PRIOR FILING DATE: 2000-11-17

PRIOR APPLICATION NUMBER: 60/226,681

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/225,759

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/225,213

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/227,182

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/227,182

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 100.0%; Score 34; DB 15; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00024;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AGGCTCGGAGAACCGGCTGCCATGCCACT 34
Db 2885 AGGCTCGGAGAACCGGCTGCCATGCCACT 2918

RESULT 7
US-10-127-032-41/c
Sequence 41, Application US/10127032
Publication No. US20030113742M1
GENERAL INFORMATION:
APPLICANT: Whiteley, Marvin
APPLICANT: Bangera, M. Gita
APPLICANT: Lory, Stephen
APPLICANT: Greuberg, Everett Peter
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF
FILE REFERENCE: U12-070CP
CURRENT APPLICATION NUMBER: US/10/127,032
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: US 60/285,190
PRIOR FILING DATE: 2001-04-20
PRIOR APPLICATION NUMBER: US 60/344,142
PRIOR FILING DATE: 2001-10-24
NUMBER OF SEQ ID NOS: 170
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 41
LENGTH: 918
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-10-127-032-41

Query Match 64.1%; Score 21.8; DB 15; Length 918;
Best Local Similarity 78.8%; Pred. No. 19;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 2 GGCCTCGGAGAACCGGCTGCCATGCCACT 34
Db 564 GGCCTCGGAGAACCGGCTGCCATGCCACT 532

RESULT 8
US-10-120-988-36
Sequence 36, Application US/10120988
Publication No. US20030219745M1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Goodrich, Ryle
APPLICANT: Liu, Chenghua
APPLICANT: Ren, Feiyun
APPLICANT: Wang, Dunrui
APPLICANT: Drianae, Radoje T.
TITLE OF INVENTION: No. US20030219745M1 Nucleic Acids and
FILE REFERENCE: 802CON
CURRENT APPLICATION NUMBER: US/10/120,988
CURRENT FILING DATE: 2002-04-11
PRIOR APPLICATION NUMBER: 09/774,528
PRIOR FILING DATE: 2001-01-30
NUMBER OF SEQ ID NOS: 441
SOFTWARE: pc_fl_genes Version 2.0
SEQ ID NO 35
LENGTH: 1799
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: CDS
LOCATION: (124)..(831)
US-10-120-988-36

Query Match 61.8%; Score 21; DB 13; Length 1799;
Best Local Similarity 82.8%; Pred. No. 36;

Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Oy 2 GGCCTCCGAGAACCGGCTGCCATGCC 30
Db 181 GGCCTCCGAGAACCGGCTGCCATGCC 209

RESULT 9

US-09-796-692-3875/c
; Sequence 3875, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077.001200
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3875
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-3875

Query Match 60.0%; Score 20.4; DB 10; Length 247;
Best Local Similarity 80.0%; Pred. No. 78;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAACCGGCTGCCATGCC 30
Db 156 AGGCTCCGAGAACCGGCTGCCATGCC 127

RESULT 10

US-10-057-475B-3875/c
; Sequence 3875, Application US/10057475B
; Publication No. US2004002068A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordonez, Nadia
; APPLICANT: Carter, Lauren

APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-01440205
; CURRENT FILING DATE: US/10/057,475B
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 10979
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3875
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-475B-3875

Query Match 60.0%; Score 20.4; DB 12; Length 247;
Best Local Similarity 80.0%; Pred. No. 78;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAACCGGCTGCCATGCC 30
Db 156 AGGCTCCGAGAACCGGCTGCCATGCC 127

RESULT 11

US-10-154-884B-3875/c
; Sequence 3875, Application US/10154884B
; Publication No. US20040005561A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc W.
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-01352105
; CURRENT FILING DATE: US/10/154,884B
; CURRENT FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084


```

; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 11290
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3875
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-154-884B-3875

Query Match      60.0%; Score 20.4; DB 12; Length 247;
Best Local Similarity 80.0%; Pred. No. 78;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGGAACCGCTGCCATGCC 30
DB      156 AGGCCCCGCTGTAACAGGCTGCATGCC 127

RESULT 12
US-10-040-862-3875/c
; Sequence 3875, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Ketter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3875
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-040-862-3875
```

```

Query Match      60.0%; Score 20.4; DB 15; Length 247;
Best Local Similarity 80.0%; Pred. No. 78;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGGAACCGCTGCCATGCC 30
DB      156 AGGCCCCGCTGTAACAGGCTGCATGCC 127

RESULT 13
US-09-925-300-674
; Sequence 674, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 674
; LENGTH: 1125
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1098)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1103)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1120)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-674

Query Match      60.0%; Score 20.4; DB 10; Length 1125;
Best Local Similarity 80.0%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGGAACCGCTGCCATGCC 30
DB      530 AGGCCCCGCTGTAACAGGCTGCATGCC 559

RESULT 14
US-10-094-749-380/c
; Sequence 380, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: MAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOMYUKI
```

```

; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 380
; LENGTH: 2542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-380.

```

```

Query Match          60.0%; Score 20.4; DB 13; Length 2542;
Best Local Similarity 80.0%; Pred. No. 60;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

```

```

QY      1 AGGCTCCGAGAAACCGGCTGCCATGCC 30
Db      1801 AGGCCCCCGCTGGAACAGGCTGCCATGCC 1772

```

```

RESULT 15
US-09-795-061-1/c
; Sequence 1, Application US/09795061
; Publication No. US20030166842A1
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Daniel S
; APPLICANT: Imamura, Yasutada
; TITLE OF INVENTION: Pro-Alpha 3 (V) Collagen Genes
; FILE REFERENCE: 960296.96781
; CURRENT APPLICATION NUMBER: US/09/795,061
; CURRENT FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 6109
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (82)..(5298)
US-09-795-061-1

```

```

Query Match          60.0%; Score 20.4; DB 13; Length 6109;
Best Local Similarity 80.0%; Pred. No. 54;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

```

```

QY      4 CCTCCGAGAGAACCGGCTGCCATGCCAAC 33
Db      3550 CCCCCGAGAGACCGGCGAGCCCTGCAAGAC 3521

```

```

Search completed: February 3, 2004, 23:51:20
Job time : 123.767 secs

```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using SW model

Run on: February 3, 2004, 15:48:45 ; Search time 27.4109 Seconds
(without alignment)
547.485 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34

Sequence: 1 aggcctccggagggaccgncgtccatccacact 34

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents, NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|---|
| 1 | 33 | 97.1 | 1237 | 1 | US-08-197-792-40 Sequence 40, Appl |
| 2 | 33 | 97.1 | 1237 | 1 | US-08-459-850-40 Sequence 40, Appl |
| 3 | 33 | 97.1 | 1237 | 1 | US-08-459-214-40 Sequence 40, Appl |
| 4 | 23.4 | 68.8 | 1343 | 1 | US-08-197-792-30 Sequence 30, Appl |
| 5 | 23.4 | 68.8 | 1343 | 1 | US-08-459-850-30 Sequence 30, Appl |
| 6 | 23.4 | 68.8 | 1343 | 1 | US-08-459-214-30 Sequence 30, Appl |
| 7 | 20.8 | 61.2 | 915 | 4 | US-09-252-991A-14968 Sequence 14968, A |
| 8 | 20.8 | 61.2 | 1011 | 4 | US-09-252-991A-14782 Sequence 14782, A |
| 9 | 20.8 | 61.2 | 40123 | 4 | US-08-311-731A-137 Sequence 137, App |
| 10 | 19.6 | 57.6 | 1500 | 1 | PCT-US95-05966-1 Sequence 1, Appl |
| 11 | 19.6 | 57.6 | 1500 | 1 | PCT-US95-05966-1 Sequence 1, Appl |
| 12 | 19.2 | 56.5 | 1812 | 4 | US-09-008-097-3 Sequence 3, Appl |
| 13 | 19.2 | 56.5 | 3549 | 4 | US-09-008-097-5 Sequence 5, Appl |
| 14 | 19.2 | 56.5 | 4046 | 1 | US-07-793-961A-1 Sequence 1, Appl |
| 15 | 19.2 | 56.5 | 4046 | 1 | US-08-240-357-1 Sequence 1, Appl |
| 16 | 19.2 | 56.5 | 4131 | 3 | US-08-726-214-11 Sequence 11, Appl |
| 17 | 19.2 | 56.5 | 4942 | 4 | US-09-474-076-1 Sequence 1, Appl |
| 18 | 19.2 | 56.5 | 4546 | 4 | US-09-146-053-6 Sequence 6, Appl |
| 19 | 19 | 55.9 | 176 | 4 | US-09-397-787-331 Sequence 331, App |
| 20 | 19 | 55.9 | 613 | 2 | US-08-658-639-11 Sequence 11, Appl |
| 21 | 19 | 55.9 | 613 | 3 | US-08-944-604-11 Sequence 11, Appl |
| 22 | 19 | 55.9 | 903 | 3 | US-08-944-604-15 Sequence 15, Appl |
| 23 | 18.8 | 55.3 | 12141 | 2 | US-09-488-671-10 Sequence 10, Appl |
| 24 | 18.8 | 55.3 | 43280 | 2 | US-08-804-227C-1 Sequence 1, Appl |
| 25 | 18.6 | 54.7 | 2661 | 4 | US-09-221-017B-1035 Sequence 1035, Ap |
| 26 | 18.6 | 54.7 | 4079 | 4 | US-09-016-434-1412 Sequence 1412, Ap |
| 27 | 18.4 | 54.1 | 47981 | 4 | US-09-679-279-1 Sequence 1, Appl |

| | | | | | | |
|------|------|------|---------|---|---------------------|--------------------|
| C 28 | 18.4 | 54.1 | 4403765 | 3 | US-09-103-840A-2 | Sequence 2, Appl |
| C 29 | 18.4 | 54.1 | 4411529 | 2 | US-09-103-840A-1 | Sequence 1, Appl |
| C 30 | 18.2 | 53.5 | 1074 | 3 | US-08-627-151A-15 | Sequence 15, Appl |
| C 31 | 18.2 | 53.5 | 1179 | 4 | US-09-252-991A-5408 | Sequence 5408, Ap |
| C 32 | 18.2 | 53.5 | 1196 | 3 | US-08-691-563C-56 | Sequence 56, Appl |
| C 33 | 18.2 | 53.5 | 1196 | 4 | US-09-374-766-56 | Sequence 56, Appl |
| C 34 | 18.2 | 53.5 | 1196 | 4 | US-08-979-847B-52 | Sequence 52, Appl |
| C 35 | 18.2 | 53.5 | 1386 | 4 | US-09-252-991A-9780 | Sequence 9780, Ap |
| C 36 | 18.2 | 53.5 | 1404 | 6 | 5171840-8 | Patent No. 5171840 |
| C 37 | 18.2 | 53.5 | 1404 | 6 | 5480796-8 | Patent No. 5480796 |
| C 38 | 18.2 | 53.5 | 1486 | 3 | US-08-795-473B-3 | Sequence 3, Appl |
| C 39 | 18.2 | 53.5 | 1486 | 4 | US-09-439-856-3 | Sequence 3, Appl |
| C 40 | 18.2 | 53.5 | 1497 | 4 | US-09-252-991A-5402 | Sequence 5402, Ap |
| C 41 | 18.2 | 53.5 | 2061 | 6 | 5171840-1 | Patent No. 5171840 |
| C 42 | 18.2 | 53.5 | 2061 | 6 | 5480796-1 | Patent No. 5480796 |
| C 43 | 18.2 | 53.5 | 2364 | 4 | US-08-979-847B-88 | Sequence 88, Appl |
| C 44 | 18.2 | 53.5 | 2391 | 3 | US-08-691-563C-57 | Sequence 57, Appl |
| C 45 | 18.2 | 53.5 | 2391 | 4 | US-09-374-766-57 | Sequence 57, Appl |

ALIGNMENTS

RESULT 1
US-08-197-792-40
; Sequence 40, Application US/08197792
; Patent No. 5525488
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCCTCGAGAGAACCGNCTGCCCATGCCCACT 34
DB 708 AGGCCTCGAGAGAACCGGCTGCCCATGCCCACT 741

RESULT 2

US-08-459-850-40
Sequence 40, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2DS

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1237 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCCTCGAGAGAACCGNCTGCCCATGCCCACT 34
DB 708 AGGCCTCGAGAGAACCGGCTGCCCATGCCCACT 741

RESULT 3

US-08-459-214-40
Sequence 40, Application US/08459214

Patent No. 5716810
GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2DS

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1337 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-40

Query Match 97.1%; Score 33; DB 1; Length 1237;
Best Local Similarity 97.1%; Pred. No. 0.00024;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 AGGCTCGGAGAACGCTGCCATGCCACT 34
Db 708 AGGCTCGGAGAACGCTGCCATGCCACT 741

RESULT 4
US-08-197-792-30
Sequence 30, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Oy 1 AGGCTCGGAGAACGCTGCCATGCCACT 34
Db 816 AGGCTCGGAGAACGCTGCCATGCCACT 849

RESULT 5
US-08-459-850-30
Sequence 30, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 1343 bases
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 1 AGGCTCCGAGAACGCGTGCATGCCCACT 34
DB 816 AGCCCCCGAGAACCCGCTGTGCACGCCCACT 849

RESULT 6

US-08-459-214-30
Sequence 30 Application US/08459214
Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 1343 bases

TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;
Best Local Similarity 79.4%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 1 AGGCTCCGAGAACGCGTGCATGCCCACT 34
DB 816 AGCCCCCGAGAACCCGCTGTGCACGCCCACT 849

RESULT 7

US-09-252-991A-14968/C
Sequence 14968 Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

APPLICANT: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 31142

SEQ ID NO 14968

LENGTH: 915

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-14968

Query Match 61.2%; Score 20.8; DB 4; Length 915;
Best Local Similarity 75.8%; Pred. No. 14;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY 2 GGCTCCGAGAACGCGTGCATGCCCACT 34
DB 561 GGCTCCGAGAACGCGTGCATGCCCACT 529

RESULT 8

US-09-252-991A-14782
Sequence 14782 Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

APPLICANT: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 31142

SEQ ID NO 14782

LENGTH: 1011

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-14782

Query Match 61.2%; Score 20.8; DB 4; Length 1011;
Best Local Similarity 75.8%; Pred. No. 14;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

OY 2 GGCTCCGAGAACGCGTGCATGCCCACT 34
DB 376 GGCTCCGAGAACGCGTGCATGCCCACT 408

RESULT 9
US-08-311-731A-137/C
Sequence 137, Application US/08311731A
Patent No. 6583266
GENERAL INFORMATION:
APPLICANT: SMITH, DOUGLAS
APPLICANT: MAO, JEN-I
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 411
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,731A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: C0044/7125
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 137:
SEQUENCE CHARACTERISTICS:
LENGTH: 40123 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mycobacterium leprae
US-08-311-731A-137

Query Match 61.2%; Score 20.8; DB 4; Length 40123;
Best Local Similarity 75.8%; Pred. No. 19;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGACCGNCTGCCATGCCACT 34
DB 16258 GGCTCTCTCAGCTACCGACTGCCATGCCACT 16226

RESULT 10
US-08-704-398-1
Sequence 1, Application US/08704398
Patent No. 5679525
GENERAL INFORMATION:
APPLICANT: Peterson, Michael G
APPLICANT: Henkel, Thomas
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California

COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/704,398
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/246,977
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59233/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1500
US-08-704-398-1

Query Match 57.6%; Score 19.6; DB 1; Length 1500;
Best Local Similarity 81.5%; Pred. No. 43;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GGCTCCGAGGAGACCGNCTGCCATGCC 29
DB 21 GCCCGGAGGAGCGCGCTGCGCATGC 47

RESULT 11
PCT-US95-05966-1
Sequence 1, Application PC/TUS9505966
GENERAL INFORMATION:
APPLICANT: TULARIK, INC.
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
TITLE OF INVENTION: BINDING ASSAY
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05966
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/246,977
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A
REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: FP-59233-PC/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1500 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1500
PCT-US95-05966-1

Query Match 57.6%; Score 19.6; DB 5; Length 1500;
Best Local Similarity 81.5%; Pred. No. 43;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 3 GCGCTCGGAGGAGACCGCTGCCCATGC 29
DB 21 GCGCGGAGGAGCGCCCTGCGCATGC 47

RESULT 12
US-09-008-097-3
Sequence 3, Application US/09008097
Patent No. 6306830
GENERAL INFORMATION:
APPLICANT: Hammond, H. Kirk
APPLICANT: Insel, Paul A.
APPLICANT: Ping, Peipei
APPLICANT: Post, Steven R.
APPLICANT: Gao, Weihua
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
TITLE OF INVENTION: HEART FAILURE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008.097
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dylan, Tyler M
REGISTRATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 22000-20567.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1812 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:

NAME/KEY: Coding Sequence
LOCATION: 1...1812
OTHER INFORMATION:
US-09-008-097-3

Query Match 56.5%; Score 19.2; DB 4; Length 1812;
Best Local Similarity 72.7%; Pred. No. 62;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

OY 2 GCGCTCGGAGGAGACCGCTGCCCATGCCACT 34
DB 668 GCGTCCGAGGCGCCGCGCACCATGCCACT 700

RESULT 13
US-09-008-097-5
Sequence 5, Application US/09008097
Patent No. 6306830
GENERAL INFORMATION:
APPLICANT: Hammond, H. Kirk
APPLICANT: Insel, Paul A.
APPLICANT: Ping, Peipei
APPLICANT: Post, Steven R.
APPLICANT: Gao, Weihua
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE
TITLE OF INVENTION: HEART FAILURE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/008.097
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dylan, Tyler M
REGISTRATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 22000-20567.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3549 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 1...3501
OTHER INFORMATION:
US-09-008-097-5

Query Match 56.5%; Score 19.2; DB 4; Length 3549;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

OY 2 GCGCTCGGAGGAGACCGCTGCCCATGCCACT 34
DB 1301 GCGTCCGAGGCGCCGCGCACCATGCCACT 1313

RESULT 14
US-07-793-961A-1
Sequence 1, Application US/07793961A
Patent No. 5334521
GENERAL INFORMATION:
APPLICANT: Yoshihiro Ishikawa
TITLE OF INVENTION: Cloning and Character-
ization of a Cardiac Adenylyl Cyclase
TITLE OF INVENTION: Cloning and Character-
ization of a Cardiac Adenylyl Cyclase
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Alan M. Gordon
ADDRESS: American Cyanamid Company
STREET: 1937 West Main Street,
STREET: P.O. Box 60
CITY: Stamford
STATE: Connecticut
COUNTRY: USA
ZIP: 06904
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII from DM4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07793,961A
FILING DATE: 19911118
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2719
TELEFAX: 203 321 2971
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs listed
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGGAGACCGCTGCCATGCCACT 34
DB 1428 GGCCTCCGAGGAGACCGCTGCCATGCCACT 1460

RESULT 15
US-08-240-357-1
Sequence 1, Application US/08240357
Patent No. 5578481
GENERAL INFORMATION:
APPLICANT: Ishikawa, Yoshihiro
TITLE OF INVENTION: Cloning and Characterization of a
CARDIAC ADENYLYL CYCLASE
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA

ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/240,357
FILING DATE: 10-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gordon, Alan M.
REGISTRATION NUMBER: 30,637
REFERENCE/DOCKET NUMBER: 31,705-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-831-3244
TELEFAX: 201-831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4046 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 131..3625
US-08-240-357-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGGAGACCGCTGCCATGCCACT 34
DB 1428 GGCCTCCGAGGAGACCGCTGCCATGCCACT 1460

Search completed: February 3, 2004, 21:41:45
JOB time : 31.4109 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 121.767 Seconds
(without alignments)
1028.547 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34
Sequence: 1 aggcctccgaggaaccnctgccatgccact 34

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

```
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
```

```
Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries
```

Database : Published Applications NA:*

- 1: /cgm2_6/ptodata/2/pub/pbna/US07_PUBCOMB.seq.*
- 2: /cgm2_6/ptodata/2/pub/pbna/PCT_NEW_PUB.seq.*
- 3: /cgm2_6/ptodata/2/pub/pbna/US06_NEW_PUB.seq.*
- 4: /cgm2_6/ptodata/2/pub/pbna/US06_PUBCOMB.seq.*
- 5: /cgm2_6/ptodata/2/pub/pbna/US07_NEW_PUB.seq.*
- 6: /cgm2_6/ptodata/2/pub/pbna/PSTOS_PUBCOMB.seq.*
- 7: /cgm2_6/ptodata/2/pub/pbna/US08_NEW_PUB.seq.*
- 8: /cgm2_6/ptodata/2/pub/pbna/US08_PUBCOMB.seq.*
- 9: /cgm2_6/ptodata/2/pub/pbna/US09_PUBCOMB.seq.*
- 10: /cgm2_6/ptodate/2/pub/pbna/US09_PUBCOMB.seq.*
- 11: /cgm2_6/ptodate/2/pub/pbna/US09C_PUBCOMB.seq.*
- 12: /cgm2_6/ptodate/2/pub/pbna/US09_NEW_PUB.seq2.*
- 13: /cgm2_6/ptodate/2/pub/pbna/US09_NEW_PUB.seq2.*
- 14: /cgm2_6/ptodate/2/pub/pbna/US10_PUBCOMB.seq.*
- 15: /cgm2_6/ptodate/2/pub/pbna/US10C_PUBCOMB.seq.*
- 16: /cgm2_6/ptodate/2/pub/pbna/US10_NEW_PUB.seq.*
- 17: /cgm2_6/ptodate/2/pub/pbna/US60_NEW_PUB.seq.*
- 18: /cgm2_6/ptodate/2/pub/pbna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query | Length | DB | ID | Description |
|------------|-------|-------|--------|----|----------------------|--------------------|
| 1 | 33 | 97.1 | 405 | 13 | US-10-125-187-1 | Sequence 1, Appl |
| 2 | 33 | 97.1 | 1429 | 13 | US-09-971-392-18 | Sequence 18, Appl |
| 3 | 33 | 97.1 | 3422 | 11 | US-09-764-891-6046 | Sequence 6046, A |
| 4 | 33 | 97.1 | 3422 | 11 | US-09-764-891-6048 | Sequence 6048, A |
| 5 | 33 | 97.1 | 3422 | 15 | US-10-091-433-271 | Sequence 271, Appl |
| 6 | 33 | 97.1 | 3422 | 15 | US-10-091-433-273 | Sequence 273, Appl |
| 7 | 20.8 | 61.2 | 226 | 13 | US-10-029-386-19884 | Sequence 19884, A |
| 8 | 20.8 | 61.2 | 500 | 13 | US-10-029-386-6153 | Sequence 6153, A |
| 9 | 20.8 | 61.2 | 918 | 15 | US-10-127-032-41 | Sequence 41, Appl |
| 10 | 20.8 | 61.2 | 5145 | 12 | US-10-426-735-51 | Sequence 51, Appl |
| 11 | 20 | 58.8 | 1799 | 13 | US-10-120-988-36 | Sequence 36, Appl |
| 12 | 19.8 | 58.2 | 548 | 13 | US-10-027-632-68903 | Sequence 68903, A |
| 13 | 19.8 | 58.2 | 548 | 13 | US-10-027-632-294721 | Sequence 294721, A |
| 14 | 19.8 | 58.2 | 548 | 14 | US-10-027-632-68903 | Sequence 68903, A |
| 15 | 19.8 | 58.2 | 548 | 14 | US-10-027-632-294721 | Sequence 294721, A |

| | | | | | | |
|----|------|------|------|----|----------------------|-----------------------|
| 16 | 19.6 | 57.6 | 1580 | 15 | US-10-153-668-315 | Sequence 315, Appl |
| 17 | 19.6 | 57.6 | 1758 | 15 | US-10-153-668-479 | Sequence 479, Appl |
| 18 | 19.4 | 57.1 | 247 | 10 | US-09-796-692-3875 | Sequence 3875, Appl |
| 19 | 19.4 | 57.1 | 247 | 12 | US-10-057-4758-3875 | Sequence 3875, Appl |
| 20 | 19.4 | 57.1 | 247 | 12 | US-10-154-8848-3875 | Sequence 3875, Appl |
| 21 | 19.4 | 57.1 | 247 | 15 | US-10-040-862-3875 | Sequence 3875, Appl |
| 22 | 19.4 | 57.1 | 1125 | 10 | US-09-925-300-674 | Sequence 674, Appl |
| 23 | 19.4 | 57.1 | 2542 | 13 | US-10-094-749-380 | Sequence 380, Appl |
| 24 | 19.4 | 57.1 | 6109 | 13 | US-09-795-061-1 | Sequence 1, Appl |
| 25 | 19.2 | 56.5 | 523 | 13 | US-10-029-386-7254 | Sequence 7254, Appl |
| 26 | 19.2 | 56.5 | 1205 | 13 | US-10-027-632-253370 | Sequence 253370, Appl |
| 27 | 19.2 | 56.5 | 1205 | 14 | US-10-027-632-254370 | Sequence 254370, Appl |
| 28 | 19.2 | 56.5 | 1795 | 12 | US-10-260-232-1220 | Sequence 1220, Appl |
| 29 | 19.2 | 56.5 | 1812 | 10 | US-09-750-240-3 | Sequence 3, Appl |
| 30 | 19.2 | 56.5 | 3192 | 12 | US-10-128-6924-75 | Sequence 75, Appl |
| 31 | 19.2 | 56.5 | 3192 | 12 | US-10-140-927-75 | Sequence 75, Appl |
| 32 | 19.2 | 56.5 | 3192 | 12 | US-10-137-870-75 | Sequence 75, Appl |
| 33 | 19.2 | 56.5 | 3192 | 13 | US-10-140-018-75 | Sequence 75, Appl |
| 34 | 19.2 | 56.5 | 3192 | 13 | US-10-140-021-75 | Sequence 75, Appl |
| 35 | 19.2 | 56.5 | 3192 | 13 | US-10-140-274-75 | Sequence 75, Appl |
| 36 | 19.2 | 56.5 | 3192 | 13 | US-10-140-471-75 | Sequence 75, Appl |
| 37 | 19.2 | 56.5 | 3192 | 13 | US-10-140-807-75 | Sequence 75, Appl |
| 38 | 19.2 | 56.5 | 3192 | 13 | US-10-140-922-75 | Sequence 75, Appl |
| 39 | 19.2 | 56.5 | 3192 | 13 | US-10-140-924-75 | Sequence 75, Appl |
| 40 | 19.2 | 56.5 | 3192 | 13 | US-10-140-926-75 | Sequence 75, Appl |
| 41 | 19.2 | 56.5 | 3192 | 13 | US-10-141-698-75 | Sequence 75, Appl |
| 42 | 19.2 | 56.5 | 3192 | 13 | US-10-141-702-75 | Sequence 75, Appl |
| 43 | 19.2 | 56.5 | 3192 | 13 | US-10-141-704-75 | Sequence 75, Appl |
| 44 | 19.2 | 56.5 | 3192 | 13 | US-10-142-421-75 | Sequence 75, Appl |
| 45 | 19.2 | 56.5 | 3192 | 13 | US-10-142-432-75 | Sequence 75, Appl |

ALIGNMENTS

```

RESULT 1
US-10-125-187-1
; Sequence 1, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHIR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(405)
; OTHER INFORMATION:
; US-10-125-187-1

Query Match          97.1%; Score 33; DB 13; Length 405;
Best Local Similarity 97.1%; Pred. No. 0.00036;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

Db 55 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 88
RESULT 2
US-09-971-392-18
; Sequence 18, Application US/09971392
; Publication No. US20030134283A1
; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Pearson, Cecelia I.
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 18
; LENGTH: 1429
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 336965.2
US-09-971-392-18
Query Match 97.1%; Score 33; DB 13; Length 1429;
Best Local Similarity 97.1%; Pred. No. 0.00032;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 1 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 34
Db 895 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 928
RESULT 3
US-09-764-891-6046/c
; Sequence 6046, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6046
; LENGTH: 3422
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6046
Query Match 97.1%; Score 33; DB 11; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00029;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 1 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 34
Db 538 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 505
RESULT 4
US-09-764-891-6048/c
; Sequence 6048, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6048
; LENGTH: 3422
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6048
Query Match 97.1%; Score 33; DB 11; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00029;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 1 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 34
Db 538 AGGCTCCGAGAGAACCGGCTGCCATGCCCACT 505
RESULT 5
US-10-091-438-271/c
; Sequence 271, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/244,617
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: 60/225,268
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/251,856
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/251,868
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/229,344
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: 60/229,343
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,345
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,287
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681

PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/225,213
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/227,182
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20

;; PRIOR APPLICATION NUMBER: 60/246,475
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/231,243
;; PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 15; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00029;
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCGGAGAACGCGTCCCATGCACT 34
Db 538 AGGCTCGGAGAACGCGTCCCATGCACT 505

RESULT 6
US-10-091-438-273
Sequence 273, Application US/10091438
Publication No. US20030077606A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT217C1
CURRENT APPLICATION NUMBER: US/10/091,438
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,879
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/225,757
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,868
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/216,647
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,267
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/216,880
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,270
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/251,869
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/235,834
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/234,274
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/234,223
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/228,924
PRIOR FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964

;; PRIOR FILING DATE: 2000-07-26
;; PRIOR APPLICATION NUMBER: 60/241,809
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/249,299
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/236,327
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/241,785
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/244,617
;; PRIOR FILING DATE: 2000-11-01
;; PRIOR APPLICATION NUMBER: 60/225,268
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,368
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/251,856
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/251,868
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/229,344
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/234,997
;; PRIOR FILING DATE: 2000-09-25
;; PRIOR APPLICATION NUMBER: 60/229,343
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,345
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,287
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,513
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/231,413
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/229,509
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/236,367
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/237,039
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,038
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/236,370
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/236,802
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,037
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,040
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/240,960
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 15; Length 3422;
Best Local Similarity 97.1%; Pred. No. 0.00029;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Cy 1 AGGCTCCGAGAGAACGCTGCCCCACT 34
Db 2885 AGGCTCCGAGAGAACGCTGCCCCACT 2918

RESULT 7
US-10-029-386-19884/c
Sequence 19884, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: AECOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 19884
LENGTH: 226
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC013602.2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
OTHER INFORMATION: NT HIT: AB037848.1, EVALUATE 1.00e-124
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUATE 2.20e-01
OTHER INFORMATION: EST_HUMAN HIT: AL532730.1, EVALUATE 1.00e-123
US-10-029-386-19884

Query Match 61.2%; Score 20.8; DB 13; Length 226;
Best Local Similarity 75.8%; Pred. No. 36;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
Cy 1 AGGCTCCGAGAGAACGCTGCCCCACT 33
Db 103 AGGCTCCGAGAGAACGCTGCCCCACT 71

RESULT 8
US-10-029-386-6153/c
Sequence 6153, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: AECOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 6153
LENGTH: 500
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC013602.2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36
OTHER INFORMATION: EST_HUMAN HIT: AL532730.1, EVALUATE 1.00e-125
OTHER INFORMATION: NT HIT: g14767838, EVALUATE 1.00e-127
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUATE 9.10e-01
US-10-029-386-6153

Query Match 61.2%; Score 20.8; DB 13; Length 500;
Best Local Similarity 75.8%; Pred. No. 33;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAGAACGCTGCCATGCCAAC 33
Db 166 AGGTCTACGAGGAGGAGCCCACTGCACCTGCCAGC 134

RESULT 9
US-10-127-032-41/c
; Sequence 41, Application US/10127032
; Publication No. US20030113742A1
; GENERAL INFORMATION:
; APPLICANT: Whiteley, Marvin
; APPLICANT: Bangerter, M. Gita
; APPLICANT: Lory, Stephen
; APPLICANT: Greenberg, Everett Peter
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF
; TITLE OF INVENTION: BIOFILM FORMATION
; FILE REFERENCE: UIZ-070CP
; CURRENT FILING DATE: US/10/127,032
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/285,190
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/344,142
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 918
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-10-127-032-41

Query Match 61.2%; Score 20.8; DB 15; Length 918;
Best Local Similarity 75.8%; Pred. No. 32;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGGAGAACGCTGCCATGCCAAC 34
Db 564 GGCTCCGAGGAGGAGCCCACTGCACCTGCCAGC 532

RESULT 10
US-10-426-776-51
; Sequence 51, Application US/10426776
; Publication No. US2004009553A1
; GENERAL INFORMATION:
; APPLICANT: Gluckman, Maria Alexandra
; APPLICANT: Williamson, Mark J.
; APPLICANT: Tsia, Fong-Ying
; APPLICANT: Rudolph-Owen, Laura A.
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Chiang, Lillian Wei-Ming
; APPLICANT: Hunter, John Joseph
; APPLICANT: Wood, Andrew
; APPLICANT: Jenkins, Lorayne P.
; TITLE OF INVENTION: NOVEL 27411, 23413, 22438, 23553,
; TITLE OF INVENTION: 25278, 26212, NARC SCL, NARC 10A, NARC 1, NARC 12, NARC 13,
; TITLE OF INVENTION: NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11,
; TITLE OF INVENTION: NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC
; TITLE OF INVENTION: 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC
; TITLE OF INVENTION: 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC 1A, NARC 25,
; FILE REFERENCE: MP03-0620M1M
; CURRENT FILING DATE: US/10/426,776
; PRIOR FILING DATE: 2003-04-30
; PRIOR APPLICATION NUMBER: 10/229,662
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 09/795,691
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/185,517
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 10/105,992

;; PRIOR FILING DATE: 2002-03-25
;; PRIOR APPLICATION NUMBER: 09/406,045
;; PRIOR FILING DATE: 1999-09-27
;; PRIOR APPLICATION NUMBER: 10/314,881
;; PRIOR FILING DATE: 2002-12-09
;; PRIOR APPLICATION NUMBER: 09/773,426
;; PRIOR FILING DATE: 2001-01-31
;; PRIOR APPLICATION NUMBER: 09/495,823
;; PRIOR FILING DATE: 2000-01-31
;; PRIOR APPLICATION NUMBER: 09/692,785
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/161,188
;; PRIOR FILING DATE: 1999-10-22
;; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 5145
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-426-776-51

Query Match 61.2%; Score 20.8; DB 12; Length 5145;
Best Local Similarity 75.8%; Pred. No. 27;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAGAACGCTGCCATGCCAAC 33
Db 419 AGGTCTACGAGGAGGAGCCCACTGCACCTGCCAGC 451

RESULT 11
US-10-120-988-36
; Sequence 36, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunrui
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. US20030219745A1el Nucleic Acids and
; FILE REFERENCE: 802CON
; CURRENT FILING DATE: US/10/120,988
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pt_Fl_genes Version 2.0
; SEQ ID NO 36
; LENGTH: 1799
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (124)..(831)
US-10-120-988-36

Query Match 58.8%; Score 20; DB 13; Length 1799;
Best Local Similarity 79.3%; Pred. No. 63;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGGAGAACGCTGCCATGCC 30
Db 181 GGCTCCGAGGAGGAGCCCACTGCACCTGCCAGC 209

RESULT 12
US-10-027-632-68903
; Sequence 68903, Application US/10027632
; Publication No. US20030204075A9


```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match          58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGNCGTCCATGCCAA 32
         ||||| ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGACCA 512

RESULT 13
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 294721
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-294721

Query Match          58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGNCGTCCATGCCAA 32
         ||||| ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGACCA 512

RESULT 14
US-10-027-632-68903
; Sequence 68903, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match          58.2%; Score 19.8; DB 14; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGNCGTCCATGCCAA 32
         ||||| ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGACCA 512

RESULT 15
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
```

Wed Feb 4 09:54:00 2004

us-09-913-524-33.rnpb

Page 8

```

; SOFTWARE: FASTSQ for Windows Version 4.0
;
; SEQ ID NO 294721
;
; LENGTH: 548
;
; TYPE: DNA
;
; ORGANISM: Human
US-10-027-632-294721

```

| | | | | |
|-----------------------|-----------------|---------------|-------------|-------------|
| Query Match | 58.2% | Score 19.8; | DB 14; | Length 548; |
| Best Local Similarity | 75.0%; | Pred. No. 85; | | |
| Matches 24; | Conservative 0; | Mismatches 8; | Indels . 0; | Gaps 0; |

```

QY      1 AGGCTTCGGAGGAAACCGACTGCCATGCCAA 32
          |||||  |||||  |||||  |||||
DB      481 AGGCTTGAGAGGAAACCGAATGCCATGACCA 512

```

Search completed: February 3, 2004, 23:51:20
Job time : 121.767 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 15:48:45 ; Search time 24.9922 Seconds
(without alignment)
547.485 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31
Sequence: 1 atcattgcctccctgcgtcatcgcacact 31

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139556

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------|
| 1 | 31 | 100.0 | 1633 | 1 | US-08-197-792-42 |
| 2 | 31 | 100.0 | 1633 | 1 | US-08-459-850-42 |
| 3 | 31 | 100.0 | 1633 | 1 | US-08-459-214-42 |
| 4 | 31 | 100.0 | 1840 | 4 | US-09-016-434-1200 |
| 5 | 23 | 74.2 | 3588 | 1 | US-08-197-792-32 |
| 6 | 23 | 74.2 | 3588 | 1 | US-08-459-850-32 |
| 7 | 23 | 74.2 | 3588 | 1 | US-08-459-214-32 |
| 8 | 21.4 | 69.0 | 1667 | 1 | US-08-455-550-1 |
| 9 | 19.8 | 63.9 | 400 | 1 | US-07-764-731B-5 |
| 10 | 19.8 | 63.9 | 406 | 1 | US-08-163-877-7 |
| 11 | 19.8 | 63.9 | 406 | 1 | US-08-360-914B-7 |
| 12 | 19.8 | 63.9 | 406 | 1 | US-08-741-589A-7 |
| 13 | 19.8 | 63.9 | 406 | 5 | PCT-US94-13181-7 |
| 14 | 19.8 | 63.9 | 497 | 4 | US-08-868-452-43 |
| 15 | 19.8 | 63.9 | 894 | 1 | US-07-764-731B-3 |
| 16 | 19.8 | 63.9 | 894 | 6 | 5187076-3 |
| 17 | 19.8 | 63.9 | 2923 | 1 | US-08-377-292-6 |
| 18 | 19.8 | 63.9 | 2923 | 2 | US-07-989-847-7 |
| 19 | 19.8 | 63.9 | 2923 | 3 | US-08-469-411-7 |
| 20 | 19.8 | 63.9 | 2923 | 6 | 5187076-5 |
| 21 | 19 | 61.3 | 5741 | 1 | US-07-706-699-4 |
| 22 | 19 | 61.3 | 5741 | 1 | US-07-998-931-4 |
| 23 | 18.8 | 60.6 | 99 | 1 | US-07-967-262-1 |
| 24 | 18.8 | 60.6 | 509 | 3 | US-09-385-982-43 |
| 25 | 18.8 | 60.6 | 1164 | 4 | US-09-134-001C-2199 |
| 26 | 18.8 | 60.6 | 1628 | 3 | US-09-147-522-3 |
| 27 | 18.8 | 60.6 | 3315 | 4 | US-09-221-017B-76 |

| | | | | | | |
|------|------|------|--------|---|------------------|-------------------|
| c 28 | 18.8 | 60.6 | 5000 | 3 | US-09-147-522-5 | Sequence 5, Appl |
| c 29 | 18.6 | 60.0 | 11282 | 4 | US-09-754-250-3 | Sequence 3, Appl |
| c 30 | 18.6 | 60.0 | 112132 | 4 | US-09-741-150-3 | Sequence 3, Appl |
| 31 | 18.4 | 59.4 | 1938 | 3 | US-09-232-200-29 | Sequence 29, Appl |
| 32 | 18.4 | 59.4 | 1938 | 4 | US-09-232-197-29 | Sequence 29, Appl |
| 33 | 18.4 | 59.4 | 1938 | 4 | US-09-232-201-29 | Sequence 29, Appl |
| 34 | 18.4 | 59.4 | 3217 | 3 | US-09-232-200-64 | Sequence 64, Appl |
| 35 | 18.4 | 59.4 | 3217 | 4 | US-09-232-197-64 | Sequence 64, Appl |
| 36 | 18.4 | 59.4 | 3217 | 4 | US-09-232-201-64 | Sequence 64, Appl |
| 37 | 18.4 | 59.4 | 9046 | 1 | US-08-227-536-1 | Sequence 1, Appl |
| 38 | 18.4 | 59.4 | 9046 | 5 | PCT-US95-04682-1 | Sequence 1, Appl |
| 39 | 18.2 | 58.7 | 337 | 4 | US-08-868-452-29 | Sequence 29, Appl |
| 40 | 18.2 | 58.7 | 339 | 1 | US-08-470-837-29 | Sequence 29, Appl |
| 41 | 18.2 | 58.7 | 1524 | 1 | US-08-197-792-34 | Sequence 34, Appl |
| 42 | 18.2 | 58.7 | 1524 | 1 | US-08-459-850-34 | Sequence 34, Appl |
| 43 | 18.2 | 58.7 | 1524 | 1 | US-08-459-214-34 | Sequence 34, Appl |
| 44 | 18.2 | 58.7 | 1873 | 1 | US-07-841-646-8 | Sequence 24, Appl |
| 45 | 18.2 | 58.7 | 1873 | 1 | US-07-901-703-8 | Sequence 8, Appl |

ALIGNMENTS

RESULT 1
US-08-197-792-42
; Sequence 42, Application US/08197792
; Patent No. 5525488
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Haack, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
Db 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 2
US-08-459-850-42
Sequence 42, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet R.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
Db 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 3
US-08-459-214-42
Sequence 42, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459, 214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet R.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-42

Query Match 100.0%; Score 31; DB 1; Length 1633;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCAACT 31
Db 1251 ATCATGCTCCCTGCGTATCATGCCAACT 1251

RESULT 4
US-09-016-434-1200
Sequence 1200, Application US/09016434
Patent No. 6500936
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1200:
SEQUENCE CHARACTERISTICS:
LENGTH: 1840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g181946
US-09-016-434-1200

Query Match 100.0%; Score 31; DB 4; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00012;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCAACT 31
Db 1100 ATCATGCTCCCTGCGTATCATGCCAACT 1100

RESULT 5
US-08-197-792-32
Sequence 32, Application US/08197792
Patent No. 5525488

GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.45;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCAACT 31
Db 1042 ATCATGCTCCCTGCGTATCATGCCAACT 1072

RESULT 6
US-08-459-850-32
Sequence 32, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.45;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1042 ATCATGCTCCGCTCGGCTACCAAGCCAACT 1072

RESULT 7
US-08-459-214-32
Sequence 32, Application US/08459214

Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasek, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-32

Query Match 74.2%; Score 23; DB 1; Length 3588;
Best Local Similarity 83.9%; Pred. No. 0.45;
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31
Db 1042 ATCATGCTCCGCTCGGCTACCAAGCCAACT 1072

RESULT 8
US-08-455-550-1
Sequence 1, Application US/08455550

Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAKAMI, KAZUO
APPLICANT: UENO, NAOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, Bronstein, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1667 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-1

Query Match 69.0%; Score 21.4; DB 1; Length 1667;
Best Local Similarity 80.6%; Pred. No. 2;
Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGTCTCCCTGCTGCTATCATGCCCACT 31
DB 777 ATCATGACACCTCTCGGTACATGCACATT 807

RESULT 9
US-07-764-731B-5
Sequence 5, Application US/07764731B
Patent No. 5366875
GENERAL INFORMATION:
APPLICANT: Rosen, Vicki A.
APPLICANT: Wozney, Elizabeth A.
APPLICANT: Wozney, John M.
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA

COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/764,731B
FILING DATE: 19910924
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kapinos, Ellen J.
REGISTRATION NUMBER: 32,245
REFERENCE/DOCKET NUMBER: G5159B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-876-1170
TELEFAX: 617-876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: CDNA to mRNA
HYPOTHETICAL: NO
FRAGMENT TYPE: C-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL LINE: U2-OS Osteosarcoma
IMMEDIATE SOURCE:
LIBRARY: U2-OS human osteosarcoma cDNA library
CLONE: U2-7
POSITION IN GENOME:
UNITS: bp
FEATURE:
NAME/KEY: CDS
LOCATION: 1..399
FEATURE:
NAME/KEY: mat peptide
LOCATION: 1..400
FEATURE:
NAME/KEY: mRNA
LOCATION: 1..400
US-07-764-731B-5

Query Match 63.9%; Score 19.8; DB 1; Length 400;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGTCTCCCTGCTGCTATCATGCCCACT 31
DB 145 ATCATGACACCCAGGGCTATGCTGCCAATT 175

RESULT 10
US-08-163-877-7
Sequence 7, Application US/08163877
Patent No. 5396677
GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: Murray, Beth
APPLICANT: Wolfman, Neil
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENETIC PROTEINS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,877
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 876-1170 x 8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-163-877-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

1 ATCATGCTCCCTGCTGCTATGCGCAACT 31
145 ATCATGCAACCAAGGCTATGCTGCAATT 175

RESULT 11
US-08-360-914B-7
Sequence 7, Application US/08360914B
Patent No. 5756308
GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,914B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-360-914B-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

1 ATCATGCTCCCTGCTGCTATGCGCAACT 31
145 ATCATGCAACCAAGGCTATGCTGCAATT 175

RESULT 12
US-08-741-589A-7
Sequence 7, Application US/08741589A
Patent No. 5804416
GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/741,589A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazat, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-741-589A-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

UNITS: bp
FEATURE:
NAME/KEY: CDS
LOCATION: 1..669
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 250..666
FEATURE:
NAME/KEY: mRNA
LOCATION: 1..894
US-07-764-731B-3

Query Match 63.9%; Score 19.8; DB 1; Length 894;
Best Local Similarity 77.4%; Pred. No. 8.8;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTCTGGCTATCATGCCCACT 31
|||
Db 415 ATCATGTGCTCCCTCAAGGCTACGCTGCCCACT 445
|||

Search completed: February 3, 2004, 21:41:46
Job time : 25.9922 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 111.023 Seconds
(without alignments)
1028.547 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31

Sequence: 1 atcatgtccctcgtcatcaccacac 31

Scoring table:

IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq2:*
14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|----------------------|--------------------|
| 1 | 31 | 100.0 | 391 | US-10-242-535A-56066 | Sequence 56066, A |
| 2 | 31 | 100.0 | 405 | US-09-962-436-169 | Sequence 169, App |
| 3 | 31 | 100.0 | 425 | US-09-738-630-95 | Sequence 95, App1 |
| 4 | 31 | 100.0 | 494 | US-09-918-995-24537 | Sequence 24537, A |
| 5 | 31 | 100.0 | 1620 | US-10-084-817-59 | Sequence 59, App1 |
| 6 | 31 | 100.0 | 1840 | US-10-295-027-953 | Sequence 953, App |
| 7 | 31 | 100.0 | 1840 | US-10-305-720-1200 | Sequence 1200, App |
| 8 | 31 | 100.0 | 1840 | US-10-241-220-15 | Sequence 15, App1 |
| 9 | 31 | 100.0 | 1840 | US-10-301-822-88 | Sequence 88, App1 |
| 10 | 31 | 100.0 | 1840 | US-10-171-311-94 | Sequence 94, App1 |
| 11 | 31 | 100.0 | 1840 | US-10-177-293-231 | Sequence 231, App |
| 12 | 31 | 100.0 | 2462 | US-10-198-846-13039 | Sequence 13039, A |
| 13 | 31 | 100.0 | 4068 | US-09-962-436-295 | Sequence 295, App |
| 14 | 31 | 100.0 | 4068 | US-09-954-531-182 | Sequence 182, App |
| 15 | 31 | 100.0 | 4068 | US-09-954-531-387 | Sequence 387, App |

| | | | | | |
|----|------|-------|--------|----------------------|--------------------|
| 16 | 31 | 100.0 | 6084 | US-09-918-624B-3 | Sequence 3, App1 |
| 17 | 31 | 100.0 | 14416 | US-09-764-891-8179 | Sequence 8179, App |
| 18 | 28 | 90.3 | 222 | US-10-242-535A-52495 | Sequence 52495, A |
| 19 | 21.2 | 68.4 | 63720 | US-10-034-650-46 | Sequence 46, App1 |
| 20 | 21.2 | 68.4 | 63720 | US-10-105-637-4 | Sequence 4, App1 |
| 21 | 21 | 67.7 | 611 | US-10-027-632-201917 | Sequence 201917, A |
| 22 | 21 | 67.7 | 611 | US-10-027-632-201918 | Sequence 201918, A |
| 23 | 21 | 67.7 | 611 | US-10-027-632-201917 | Sequence 201917, A |
| 24 | 21 | 67.7 | 611 | US-10-027-632-201918 | Sequence 201918, A |
| 25 | 20.6 | 66.5 | 2043 | US-10-043-715-1 | Sequence 1587, App |
| 26 | 20.6 | 66.5 | 2043 | US-10-159-563-86 | Sequence 86, App1 |
| 27 | 20.6 | 66.5 | 2043 | US-10-133-937-86 | Sequence 86, App1 |
| 28 | 20.6 | 66.5 | 2043 | US-10-341-434-138 | Sequence 138, App |
| 29 | 20.6 | 66.5 | 9662 | US-09-764-891-9774 | Sequence 9774, App |
| 30 | 20.6 | 66.5 | 17705 | US-09-764-891-9773 | Sequence 9773, App |
| 31 | 20.4 | 65.8 | 186510 | US-10-043-715-1 | Sequence 1, App1 |
| 32 | 19.8 | 63.9 | 570 | US-10-029-386-3175 | Sequence 3175, App |
| 33 | 19.8 | 63.9 | 1350 | US-09-784-911-7 | Sequence 7, App1 |
| 34 | 19.8 | 63.9 | 1353 | US-09-784-911-9 | Sequence 9, App1 |
| 35 | 19.8 | 63.9 | 1362 | US-09-784-911-3 | Sequence 3, App1 |
| 36 | 19.8 | 63.9 | 2923 | US-10-375-150-7 | Sequence 7, App1 |
| 37 | 19.8 | 63.9 | 2923 | US-10-101-510-7 | Sequence 7, App1 |
| 38 | 19.8 | 63.9 | 5021 | US-10-133-013-126 | Sequence 126, App |
| 39 | 19.8 | 63.9 | 5801 | US-10-291-265-580 | Sequence 580, App |
| 40 | 19.8 | 63.9 | 5804 | US-10-101-510-509 | Sequence 509, App |
| 41 | 19.8 | 63.9 | 31169 | US-09-764-875-1217 | Sequence 1217, App |
| 42 | 19.6 | 63.2 | 457 | US-09-962-436-281 | Sequence 1644, A |
| 43 | 19.6 | 63.2 | 167343 | US-09-962-436-281 | Sequence 281, App |
| 44 | 19.6 | 63.2 | 167343 | US-09-964-824A-273 | Sequence 273, App |
| 45 | 19.4 | 62.6 | 668 | US-10-027-632-196735 | Sequence 196735, A |

ALIGNMENTS

RESULT 1
US-10-242-535A-56066
Sequence 56066, Application US/10242535A
Publication No. US20040013663A1
GENERAL INFORMATION:
APPLICANT: ChondroGene Inc.
APPLICANT: Liaw, C.C.
TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
FILE REFERENCE: 4231/2005
CURRENT APPLICATION NUMBER: US/10/242,535A
CURRENT FILING DATE: 2002-09-12
PRIOR APPLICATION NUMBER: US 10/085,783
PRIOR FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: US 60/305,340
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/275,017
PRIOR FILING DATE: 2001-03-12
PRIOR APPLICATION NUMBER: US 60/271,955
PRIOR FILING DATE: 2001-02-28
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO 56066
LENGTH: 391
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (343)..(343)
OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-56066
Query Match 100.0%; Score 31; DB 12; Length 391;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 86 ATCATTGCTCCCTGCTGCTATCATCCCACT 31
1 ATCATTGCTCCCTGCTGCTATCATCCCACT 116

RESULT 2

US-09-962-436-169/C
; Sequence 169, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-75
; CURRENT APPLICATION NUMBER: US/09/962,436
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/60/235,082
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/234,924
; PRIOR FILING DATE: 2000-09-25
; NUMBER OF SEQ ID NOS: 568
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 169
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-436-169

Query Match 100.0%; Score 31; DB 9; Length 405;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 384 ATCATGCTCCCTCTGGCTATCATGCCAACT 354

RESULT 3

US-09-738-630-95
; Sequence 95, Application US/09738630
; Publication No. US20030166213A1
; GENERAL INFORMATION:
; APPLICANT: Greenepan, Ralph J.
; APPLICANT: Shaw, Paul J.
; TITLE OF INVENTION: Methods For Identifying Compounds That
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent
; TITLE OF INVENTION: Protein Kinase Signaling
; FILE REFERENCE: P-NI 3906
; CURRENT APPLICATION NUMBER: US/09/738,630
; CURRENT FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 95
; LENGTH: 425
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(390)
US-09-738-630-95

Query Match 100.0%; Score 31; DB 13; Length 425;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 127 ATCATGCTCCCTCTGGCTATCATGCCAACT 157

RESULT 4

US-09-918-995-24537
; Sequence 24537, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24537
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(494)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-24537

Query Match 100.0%; Score 31; DB 11; Length 494;
Best Local Similarity 100.0%; Pred. No. 0.0005;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 158 ATCATGCTCCCTCTGGCTATCATGCCAACT 188

RESULT 5

US-10-084-817-59
; Sequence 59, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Shohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084,817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 59
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CBI
; NAME/KEY: unsure
; LOCATION: 120
; OTHER INFORMATION: a, t, c, g, or other
US-10-084-817-59

Query Match 100.0%; Score 31; DB 15; Length 1620;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 1230 ATCATGCTCCCTCTGGCTATCATGCCAACT 1260

RESULT 6

US-10-295-027-953
; Sequence 953, Application US/10295027
; Publication No. US20030232350A1

GENERAL INFORMATION:
APPLICANT: Afari, Daniel
APPLICANT: Gineberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevezl, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US/10/295,027
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1366
SOFTWARE: Patentn Ver. 2.1
SEQ ID NO 953
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
US-10-295-027-953

Query Match 100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCACT 31
Db 1100 ATCATGCTCCCTGCGTATCATGCCACT 1130

RESULT 7
US-10-305-720-1200
Sequence 1200, Application US/10305720
Publication No. US20040010136A1
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice K.; Selthamer, Jeffrey J.
TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio
FILE REFERENCE: PA-0002-1 CON
CURRENT APPLICATION NUMBER: US/10/305,720
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: 09/016,434
PRIOR FILING DATE: 1998-01-30
NUMBER OF SEQ ID NOS: 1490
SOFTWARE: PERL Program
SEQ ID NO 1200
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: misc feature
OTHER INFORMATION: Genbank ID No. US20040010136A1 9181946
US-10-305-720-1200

Query Match 100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCACT 31
Db 1100 ATCATGCTCCCTGCGTATCATGCCACT 1130

RESULT 8
US-10-241-220-15
Sequence 15, Application US/10241220
Publication No. US20030148408A1
GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF TUMOR
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 15
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapien
US-10-241-220-15

Query Match 100.0%; Score 31; DB 13; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGTATCATGCCACT 31
Db 1100 ATCATGCTCCCTGCGTATCATGCCACT 1130

RESULT 9
US-10-301-822-88
Sequence 88, Application US/10301822
Publication No. US20030148410A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Berger, Allison
APPLICANT: Guillemette, Tracy L.
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.
APPLICANT: Thibodeau, Stephen N.
APPLICANT: Burgart, Lawrence J.
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
FILE REFERENCE: MEM01-029P2RNM
CURRENT APPLICATION NUMBER: US/10/301,822
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 60/339,971
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: US 60/361,978
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/381,988
PRIOR FILING DATE: 2002-05-20
NUMBER OF SEQ ID NOS: 228

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (86) ... (1366)
US-10-301-822-88

Query Match      100.0%; Score 31; DB 13; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
Db      1100 ATCATGCTCCCTCTGGCTATCATGCCCACT 1130

RESULT 10
US-10-171-311-94
; Sequence 94, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersch, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-311-94

Query Match      100.0%; Score 31; DB 15; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
Db      1100 ATCATGCTCCCTCTGGCTATCATGCCCACT 1130

RESULT 11
US-10-177-293-231
; Sequence 231, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
US-10-177-293-231

; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegül
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-231

Query Match      100.0%; Score 31; DB 15; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31
Db      1100 ATCATGCTCCCTCTGGCTATCATGCCCACT 1130

RESULT 12
US-10-198-846-13039
; Sequence 13039, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinhilber, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13039
; LENGTH: 2462
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: mbc_feature
; LOCATION: 1, 2, 2460, 2461, 2462
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13039
```

Query Match 100.0%; Score 31; DB 15; Length 2462;
Best Local Similarity 100.0%; Pred. No. 0.00066;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 31
Db 1296 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 1326

RESULT 13
US-09-962-436-295
Sequence 295, Application US/09962436
Patent No. US20020081301A1
GENERAL INFORMATION:
APPLICANT: Soppet, Daniel
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
FILE REFERENCE: 689290-75
CURRENT APPLICATION NUMBER: US/09/962,436
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/235,082
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/234,924
PRIOR FILING DATE: 2000-09-25
NUMBER OF SEQ ID NOS: 568
SOFTWARE: PatentIn version 3.0
SEQ ID NO 295
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-962-436-295

Query Match 100.0%; Score 31; DB 9; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.00066;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 14
US-09-954-531-182
Sequence 182, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 182
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-182

Query Match 100.0%; Score 31; DB 10; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.00066;

Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 15
US-09-954-531-387
Sequence 387, Application US/09954531
Patent No. US20020165180A1
GENERAL INFORMATION:
APPLICANT: Weaver, Zoe
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
FILE REFERENCE: 689290-77
CURRENT APPLICATION NUMBER: US/09/954,531
CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: US/60/233,133
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,009
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,034
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: US/60/234,509
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 387
LENGTH: 4068
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-387

Query Match 100.0%; Score 31; DB 10; Length 4068;
Best Local Similarity 100.0%; Pred. No. 0.00066;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 31
Db 1093 ATCATGTGCTCCCTGCTGCTATCATGCCAACT 1123

Search completed: February 3, 2004, 23:51:22
Job time : 113.023 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using SW model

Run on: February 3, 2004, 15:48:45 ; Search time 24.186 Seconds
(without alignments)
547.485 Million cell updates/sec

Title: US-09-913-524-35

Perfect score: 30

Sequence: 1 atcattgcctccctcgttaccatgcacac 30

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues 1139956

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|---------|----------------------|-------------------|
| 1 | 28.4 | 94.7 | 1633 | 1 US-08-197-792-42 | Sequence 42, Appl |
| 2 | 28.4 | 94.7 | 1633 | 1 US-08-459-850-42 | Sequence 42, Appl |
| 3 | 28.4 | 94.7 | 1633 | 1 US-08-459-214-42 | Sequence 42, Appl |
| 4 | 28.4 | 94.7 | 1840 | 4 US-09-016-434-1200 | Sequence 1200, Ap |
| 5 | 20.4 | 68.0 | 3588 | 1 US-08-197-792-32 | Sequence 32, Appl |
| 6 | 20.4 | 68.0 | 3588 | 1 US-08-459-850-32 | Sequence 32, Appl |
| 7 | 20.4 | 68.0 | 3588 | 1 US-08-459-214-32 | Sequence 32, Appl |
| 8 | 19.4 | 64.7 | 1667 | 1 US-08-455-550-1 | Sequence 1, Appl |
| 9 | 18.8 | 62.7 | 1628 | 3 US-09-147-522-3 | Sequence 3, Appl |
| 10 | 18.8 | 62.7 | 5000 | 3 US-09-147-522-5 | Sequence 5, Appl |
| 11 | 18.4 | 61.3 | 1664976 | 4 US-08-916-431B-1 | Sequence 1, Appl |
| 12 | 17.8 | 59.3 | 328 | 1 US-08-455-550-5 | Sequence 5, Appl |
| 13 | 17.8 | 59.3 | 400 | 1 US-07-764-731B-5 | Sequence 5, Appl |
| 14 | 17.8 | 59.3 | 406 | 1 US-08-163-877-7 | Sequence 7, Appl |
| 15 | 17.8 | 59.3 | 406 | 1 US-08-360-914B-7 | Sequence 7, Appl |
| 16 | 17.8 | 59.3 | 406 | 1 US-08-741-589A-7 | Sequence 7, Appl |
| 17 | 17.8 | 59.3 | 406 | 5 PCT-US94-131B1-7 | Sequence 7, Appl |
| 18 | 17.8 | 59.3 | 497 | 4 US-08-868-452-43 | Sequence 43, Appl |
| 19 | 17.8 | 59.3 | 1442 | 1 US-08-247-908A-1 | Sequence 1, Appl |
| 20 | 17.8 | 59.3 | 1442 | 1 US-08-453-942-1 | Sequence 1, Appl |
| 21 | 17.8 | 59.3 | 1442 | 2 US-08-926-885A-1 | Sequence 1, Appl |
| 22 | 17.8 | 59.3 | 1442 | 5 PCT-US94-05290-1 | Sequence 1, Appl |
| 23 | 17.8 | 59.3 | 1497 | 3 US-09-232-468A-23 | Sequence 23, Appl |
| 24 | 17.8 | 59.3 | 1997 | 4 US-09-784-984B-18 | Sequence 18, Appl |
| 25 | 17.8 | 59.3 | 2923 | 2 US-08-377-292-6 | Sequence 6, Appl |
| 26 | 17.8 | 59.3 | 2923 | 2 US-07-989-847-7 | Sequence 7, Appl |
| 27 | 17.8 | 59.3 | 2923 | 3 US-08-469-411-7 | Sequence 7, Appl |

| | | | | | | |
|----|------|------|-------|---|-------------------|--------------------|
| 28 | 17.8 | 59.3 | 2923 | 6 | 5187076-5 | Patent No. 5187076 |
| 29 | 17.8 | 59.3 | 12687 | 1 | US-08-676-169-1 | Sequence 1, Appl |
| 30 | 17.8 | 59.3 | 12687 | 1 | US-08-981-459-1 | Sequence 1, Appl |
| 31 | 17.8 | 59.3 | 12687 | 4 | US-09-063-431A-1 | Sequence 1, Appl |
| 32 | 17.6 | 58.7 | 507 | 4 | US-09-641-638-48 | Sequence 48, Appl |
| 33 | 17.4 | 58.0 | 276 | 3 | US-09-206-903A-3 | Sequence 3, Appl |
| 34 | 17.4 | 58.0 | 276 | 3 | US-09-206-903A-10 | Sequence 10, Appl |
| 35 | 17.4 | 58.0 | 276 | 3 | US-09-202-122-3 | Sequence 3, Appl |
| 36 | 17.4 | 58.0 | 276 | 3 | US-09-202-122-10 | Sequence 10, Appl |
| 37 | 17.4 | 58.0 | 276 | 3 | US-09-206-935-20 | Sequence 20, Appl |
| 38 | 17.4 | 58.0 | 276 | 3 | US-09-206-935-21 | Sequence 21, Appl |
| 39 | 17.4 | 58.0 | 276 | 4 | US-09-206-936-20 | Sequence 20, Appl |
| 40 | 17.4 | 58.0 | 276 | 4 | US-09-206-936-21 | Sequence 21, Appl |
| 41 | 17.4 | 58.0 | 276 | 4 | US-09-919-622A-3 | Sequence 3, Appl |
| 42 | 17.4 | 58.0 | 276 | 4 | US-09-919-622A-10 | Sequence 10, Appl |
| 43 | 17.4 | 58.0 | 459 | 5 | PCT-US93-01676A-7 | Sequence 7, Appl |
| 44 | 17.4 | 58.0 | 459 | 5 | PCT-US93-01676A-8 | Sequence 8, Appl |
| 45 | 17.4 | 58.0 | 592 | 3 | US-07-721-847A-1 | Sequence 1, Appl |

ALIGNMENTS-

RESULT 1
US-08-197-792-42
Sequence 42, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 ATCATGCTCCCTCTGGTTATCATGCCAAC 30
1251 ATCATGCTCCCTCTGGTTATCATGCCAAC 1280

RESULT 2

US-08-459-850-42
Sequence 42, Application US/08459850
Patent No. 5665568

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 850
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.

REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D5

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 ATCATGCTCCCTCTGGTTATCATGCCAAC 30
1251 ATCATGCTCCCTCTGGTTATCATGCCAAC 1280

RESULT 3

US-08-459-214-42
Sequence 42, Application US/08459214
Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 214
FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.

REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 297P2D6

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881

TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 1633 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

RESULT 4
US-09-016-434-1200
Sequence 1200, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016.434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1200:
SEQUENCE CHARACTERISTICS:
LENGTH: 1840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g181946
US-09-016-434-1200

Query Match 94.7%; Score 28.4; DB 4; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30
DB 1100 ATCATGCTCCCTGCTGCTATCATGCCAAC 1129

RESULT 5
US-08-197-792-32
Sequence 32, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197.792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9861
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-197-792-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30
DB 1042 ATCATGCTCCCTGCTGCTATCATGCCAAC 1071

RESULT 6
US-08-459-850-32
Sequence 32, Application US/08459850

Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-850-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTATCATGCCAAC 30
|||||
Db 1042 ATCATGCTCCCTCGGCTACAGCCAAC 1071

RESULT 7
US-08-459-214-32
Sequence 32, Application US/08459214

Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 3588 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-459-214-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;
Best Local Similarity 80.0%; Pred. No. 5;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTATCATGCCAAC 30
|||||
Db 1042 ATCATGCTCCCTCGGCTACAGCCAAC 1071

RESULT 8
US-08-455-550-1
Sequence 1, Application US/08455550

Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAKAMI, KAZUO
APPLICANT: UENO, NAOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE.
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dike, Bronstein, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1667 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHEICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-1

Query Match 64.7%; Score 19.4; DB 1; Length 1667;
Best Local Similarity 79.3%; Pred. No. 12;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAA 29
DB 777 ATCATGACACCTCTGCTACCATGCCAA 805

RESULT 9
US-09-147-522-3/c
Sequence 3, Application US/09147522
Patent No. 6107069
GENERAL INFORMATION:
APPLICANT: MAGAGNIN, SIMONA
APPLICANT: BENATTI, LUCA
APPLICANT: CINI, MASSIMO
APPLICANT: SPECIALE, CARMELA
APPLICANT: COVINI, NEVIE
TITLE OF INVENTION: RECOMBINANT KYNURENINE-3-HYDROXYLASE ENZYME AND
TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
FILE REFERENCE: 0769-0408-0PCT
CURRENT APPLICATION NUMBER: US/09/147,522
CURRENT FILING DATE: 1999-01-14

EARLIER APPLICATION NUMBER: PCT/EP7/03589
EARLIER FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1628
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (34)..(1494)
US-09-147-522-3

Query Match 62.7%; Score 18.8; DB 3; Length 1628;
Best Local Similarity 76.7%; Pred. No. 22;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAAC 30
DB 470 ATCATGCTCTCTGTTATCATTTCAAC 441

RESULT 10
US-09-147-522-5/c
Sequence 5, Application US/09147522
Patent No. 6107069
GENERAL INFORMATION:
APPLICANT: MAGAGNIN, SIMONA
APPLICANT: BENATTI, LUCA
APPLICANT: CINI, MASSIMO
APPLICANT: SPECIALE, CARMELA
APPLICANT: COVINI, NEVIE
TITLE OF INVENTION: RECOMBINANT KYNURENINE-3-HYDROXYLASE ENZYME AND
TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
FILE REFERENCE: 0769-0408-0PCT
CURRENT APPLICATION NUMBER: US/09/147,522
CURRENT FILING DATE: 1999-01-14
EARLIER APPLICATION NUMBER: PCT/EP7/03589
EARLIER FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 5000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (47)..(1507)
US-09-147-522-5

Query Match 62.7%; Score 18.8; DB 3; Length 5000;
Best Local Similarity 76.7%; Pred. No. 28;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAAC 30
DB 483 ATCATGCTCTCTGTTATCATTTCAAC 454

RESULT 11
US-08-916-421B-1
Sequence 1, Application US/08916421B
Patent No. 6503729
GENERAL INFORMATION:
APPLICANT: Bull et al.
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococ
Patent No. 6503729
TITLE OF INVENTION: Janaschii
FILE REFERENCE: PB275
CURRENT APPLICATION NUMBER: US/08/916,421B
CURRENT FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: US 60/024,428
PRIOR FILING DATE: 1996-08-22

NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
TYPE: DNA
ORGANISM: Methanococcus jannaschii
FEATURE:
NAME/KEY: misc_feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature

LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 61.3%; Score 18.4; DB 4; Length 1664976;
Best Local Similarity 78.6%; Pred. No. 1.1e+02;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATGATGCA 28
Db 61675 ATCATGCTCCCTGTTATGATGCA 61702

RESULT 12
US-08-455-550-5
Sequence 5, Application US/08455550
Patent No. 5670338
GENERAL INFORMATION:
APPLICANT: MURAYMI, KAZUO
APPLICANT: UENO, MOTO
APPLICANT: KATO, YUKIO
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dike, Bronstein, Roberts & Cushman
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,550
FILING DATE: 31-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/056,564
FILING DATE: 30-APR-1993
APPLICATION NUMBER: 07/577,892
FILING DATE: 05-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Eisenstein, Ronald I
REGISTRATION NUMBER: 30628
REFERENCE/DOCKET NUMBER: 40102-FWC-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
TELEX: 200291
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 328 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-455-550-5

Query Match 59.3%; Score 17.8; DB 1; Length 328;
Best Local Similarity 75.9%; Pred. No. 45;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATGATGCA 29
Db 263 ATTATGCTCCCTGTTATGATGCA 291

RESULT 13
US-07-764-731B-5
Sequence 5, Application US/07764731B
Patent No. 5366875
GENERAL INFORMATION:
APPLICANT: Rosen, Vicki A.
APPLICANT: Wang, Elizabeth A.
APPLICANT: Mooney, John M.
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/764,731B
FILING DATE: 19910924
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaplan, Ellen J.
REGISTRATION NUMBER: 32,245
REFERENCE/DOCKET NUMBER: G15159B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-876-1170
TELEFAX: 617-876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
FRAGMENT TYPE: C-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL LINE: U2-OS Osteosarcoma
IMMEDIATE SOURCE:
LIBRARY: U2-OS human osteosarcoma cDNA library
CLONE: U2-7
POSITION IN GENOME:
UNITS: bp
FEATURE:
NAME/KEY: CDS
LOCATION: 1..399
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..400
FEATURE:

NAME/KEY: mRNA
LOCATION: 1..400
US-07-764-731B-5

Query Match
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 400;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29
|||||
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

RESULT 14
US-08-163-877-7
Sequence 7, Application US/08163877
Patent No. 5396677
GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: Murray, Beth
APPLICANT: Wolfman, Neil
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:
ADDRESSER: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/163,877
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lazar, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 876-5851
TELEFAX: 617 876-1170 x 8260
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-163-877-7

Query Match
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 406;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29
|||||
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

RESULT 15
US-08-360-914B-7
Sequence 7, Application US/08360914B
Patent No. 5756308

GENERAL INFORMATION:
APPLICANT: Neil M. WOLFMAN and John MCCOY
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSER: Genetics Institute, Inc - Legal Affairs
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/360,914B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/163,877
FILING DATE: December 7, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Lazar, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5219B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 498-8260
TELEFAX: 617 876-5851
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: bmp-6
FEATURE:
NAME/KEY: CDS
LOCATION: 1..396
US-08-360-914B-7

Query Match
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 406;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29
|||||
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

Search completed: February 3, 2004, 21:41:48
Job time : 26.186 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 107.442 Seconds
(without alignments)
1028.547 Million cell updates/sec

Title: US-09-913-524-35

Perfect score: 30
Sequence: 1 atcattgctccctcgttcattatgcacac 30

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 18418367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA:*

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCR_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/PCR_NEW_PUBCOMB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUBCOMB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|--------------------|
| 1 | 28.4 | 94.7 | 391 | US-10-242-535A-56066 | Sequence 56066, A |
| 2 | 28.4 | 94.7 | 405 | US-09-962-436-169 | Sequence 169, App |
| 3 | 28.4 | 94.7 | 425 | US-09-738-630-95 | Sequence 95, App |
| 4 | 28.4 | 94.7 | 494 | US-09-918-995-24537 | Sequence 24537, A |
| 5 | 28.4 | 94.7 | 1620 | US-10-084-817-59 | Sequence 59, App |
| 6 | 28.4 | 94.7 | 1840 | US-10-295-027-953 | Sequence 93, App |
| 7 | 28.4 | 94.7 | 1840 | US-10-305-720-1200 | Sequence 1200, App |
| 8 | 28.4 | 94.7 | 1840 | US-10-241-220-15 | Sequence 15, App |
| 9 | 28.4 | 94.7 | 1840 | US-10-301-822-88 | Sequence 88, App |
| 10 | 28.4 | 94.7 | 1840 | US-10-171-311-94 | Sequence 94, App |
| 11 | 28.4 | 94.7 | 1840 | US-10-177-293-231 | Sequence 231, App |
| 12 | 28.4 | 94.7 | 2462 | US-10-198-846-13039 | Sequence 13039, A |
| 13 | 28.4 | 94.7 | 4068 | US-09-962-436-295 | Sequence 295, App |
| 14 | 28.4 | 94.7 | 4068 | US-09-954-531-182 | Sequence 182, App |
| 15 | 28.4 | 94.7 | 4068 | US-09-954-531-387 | Sequence 387, App |

| | | | | | |
|----|------|------|--------|----------------------|--------------------|
| 16 | 28.4 | 94.7 | 6084 | US-09-918-624B-3 | Sequence 3, App |
| 17 | 28.4 | 94.7 | 14416 | US-09-764-891-8179 | Sequence 8179, App |
| 18 | 25.4 | 84.7 | 222 | US-10-242-535A-52495 | Sequence 52495, A |
| 19 | 19.6 | 65.3 | 63720 | US-10-034-650-46 | Sequence 46, App |
| 20 | 19.6 | 65.3 | 63720 | US-10-105-637-4 | Sequence 4, App |
| 21 | 19.4 | 64.7 | 611 | US-10-027-632-201917 | Sequence 201917, A |
| 22 | 19.4 | 64.7 | 611 | US-10-027-632-201918 | Sequence 201918, A |
| 23 | 19.4 | 64.7 | 611 | US-10-027-632-201917 | Sequence 201917, A |
| 24 | 19.4 | 64.7 | 611 | US-10-027-632-201918 | Sequence 201918, A |
| 25 | 19.4 | 64.7 | 1780 | US-10-302-267-49 | Sequence 49, App |
| 26 | 19.4 | 64.7 | 1780 | US-10-225-067-95 | Sequence 95, App |
| 27 | 19.4 | 64.7 | 1780 | US-10-374-780A-241 | Sequence 241, App |
| 28 | 19.4 | 63.3 | 357 | US-10-242-535A-48000 | Sequence 48000, A |
| 29 | 19.4 | 63.3 | 485 | US-10-242-535A-50811 | Sequence 50811, A |
| 30 | 19.4 | 63.3 | 2043 | US-10-104-047-1587 | Sequence 1587, App |
| 31 | 19.4 | 63.3 | 2043 | US-10-159-563-86 | Sequence 86, App |
| 32 | 19.4 | 63.3 | 2043 | US-10-133-937-86 | Sequence 86, App |
| 33 | 19.4 | 63.3 | 2043 | US-10-341-434-138 | Sequence 138, App |
| 34 | 19.4 | 63.3 | 9662 | US-09-764-891-9774 | Sequence 9774, App |
| 35 | 19.4 | 63.3 | 17705 | US-09-764-891-9773 | Sequence 9773, App |
| 36 | 18.8 | 62.7 | 3108 | US-10-094-749-1009 | Sequence 1009, App |
| 37 | 18.8 | 62.7 | 186510 | US-10-043-715-1 | Sequence 1, App |
| 38 | 18.6 | 62.0 | 815 | US-10-027-632-170123 | Sequence 170123, A |
| 39 | 18.6 | 62.0 | 815 | US-10-027-632-170123 | Sequence 170123, A |
| 40 | 18.6 | 62.0 | 843 | US-10-027-632-165408 | Sequence 165408, A |
| 41 | 18.6 | 62.0 | 843 | US-10-027-632-165408 | Sequence 165408, A |
| 42 | 18.6 | 62.0 | 368004 | US-09-949-654-3 | Sequence 3, App |
| 43 | 18.4 | 61.3 | 372 | US-10-242-535A-13187 | Sequence 13187, A |
| 44 | 18.4 | 61.3 | 443 | US-10-242-535A-52759 | Sequence 52759, A |
| 45 | 18.4 | 61.3 | 486 | US-09-764-872-225 | Sequence 225, App |

ALIGNMENTS

RESULT 1
US-10-242-535A-56066
Sequence 56066, App
Publication No. US20040013663A1
GENERAL INFORMATION:
APPLICANT: ChondroGene Inc.
APPLICANT: Liaw, C.C.
TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
FILE REFERENCE: 4231/2005
CURRENT APPLICATION NUMBER: US/10/242,535A
CURRENT FILING DATE: 2002-09-12
PRIOR APPLICATION NUMBER: US 10/085,783
PRIOR FILING DATE: 2002-02-28
PRIOR APPLICATION NUMBER: US 60/305,340
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: US 60/275,017
PRIOR FILING DATE: 2001-03-12
PRIOR APPLICATION NUMBER: US 60/271,955
PRIOR FILING DATE: 2001-02-28
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO 56066
LENGTH: 391
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (343)
OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-56066
Query Match 94.7%; Score 28.4; DB 12; Length 391;
Best Local Similarity 96.7%; Pred. No. 0.0075;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
DB 86 ATCATTGCTCCCTGCTGTTATCATGCAAC 115

RESULT 2
US-09-962-436-169/c
; Sequence 169, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-75
; CURRENT APPLICATION NUMBER: US/09/962,436
; CURRENT FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/60/235,082
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/234,924
; PRIOR FILING DATE: 2000-09-25
; NUMBER OF SEQ ID NOS: 568
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 169
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: n=a,t,g or c
US-09-962-436-169

Query Match 94.7%; Score 28.4; DB 9; Length 405;
Best Local Similarity 96.7%; Pred. No. 0.0075;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
Db 384 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 355

RESULT 3
US-09-738-630-95
; Sequence 95, Application US/09738630
; Publication No. US20030166213A1
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Ralph J.
; TITLE OF INVENTION: Methods For Identifying Compounds That
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent
; TITLE OF INVENTION: Protein Kinase Signaling
; FILE REFERENCE: P-NI 3906
; CURRENT APPLICATION NUMBER: US/09/738,630
; CURRENT FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: PastsEQ for Windows Version 4.0
; SEQ ID NO 95
; LENGTH: 425
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(390)
US-09-738-630-95

Query Match 94.7%; Score 28.4; DB 13; Length 425;
Best Local Similarity 96.7%; Pred. No. 0.0076;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
Db 127 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 156

RESULT 4
US-09-918-995-24537
; Sequence 24537, Application US/09918995

; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: PastsEQ for Windows Version 3.0
; SEQ ID NO 24537
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(494)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-24537

Query Match 94.7%; Score 28.4; DB 11; Length 494;
Best Local Similarity 96.7%; Pred. No. 0.0077;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
Db 158 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 187

RESULT 5
US-10-084-817-59
; Sequence 59, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Shohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084,817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 59
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1
; NAME/KEY: unsure
; LOCATION: 120
; OTHER INFORMATION: a, t, c, g, or other
US-10-084-817-59

Query Match 94.7%; Score 28.4; DB 15; Length 1620;
Best Local Similarity 96.7%; Pred. No. 0.0094;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
Db 1230 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 1259

RESULT 6
US-10-295-027-953
; Sequence 953, Application US/10295027
; Publication No. US2003023350A1

GENERAL INFORMATION:
APPLICANT: Afari, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Gineberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevezl, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Ros Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US/10/295,027
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1386
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 953
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
US-10-295-027-953

Query Match 94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTCCTCCCTCGGTATCATGCCAAC 30
DB 1100 ATCATTCCTCCCTCGGTATCATGCCAAC 1129

RESULT 7
US-10-305-720-1200
Sequence 1200, Application US/10305720
Publication No. US20040010136A1
GENERAL INFORMATION:
APPLICANT: Au-Yang, Janice K.; Seilhamer, Jeffrey J.
TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio
FILE REFERENCE: PA-0002-1 CON
CURRENT APPLICATION NUMBER: US/10/305,720
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: 09/016,434
PRIOR FILING DATE: 1998-01-30
NUMBER OF SEQ ID NOS: 1490
SOFTWARE: PERL Program
SEQ ID NO 1200
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: misc feature
OTHER INFORMATION: GenBank ID No. US20040010136A1 9181946
US-10-305-720-1200

Query Match 94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTCCTCCCTCGGTATCATGCCAAC 30
DB 1100 ATCATTCCTCCCTCGGTATCATGCCAAC 1129

RESULT 8
US-10-241-220-15
Sequence 15, Application US/10241220
Publication No. US20030148408A1
GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF TUMOR
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 15
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapien
US-10-241-220-15

Query Match 94.7%; Score 28.4; DB 13; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATTCCTCCCTCGGTATCATGCCAAC 30
DB 1100 ATCATTCCTCCCTCGGTATCATGCCAAC 1129

RESULT 9
US-10-301-822-88
Sequence 88, Application US/10301822
Publication No. US20030148410A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Berger, Allison
APPLICANT: Guillemette, Tracy L.
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.
APPLICANT: Thibodeau, Stephen N.
APPLICANT: Burgart, Lawrence J.
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
FILE REFERENCE: MPW01-029P2RNM
CURRENT APPLICATION NUMBER: US/10/301,822
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 60/339,971
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: US 60/361,978
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/381,988
PRIOR FILING DATE: 2002-05-20
NUMBER OF SEQ ID NOS: 228

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (86) ... (1366)
US-10-301-822-88

```

```

Query Match      94.7%; Score 28.4; DB 13; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

```

RESULT 10
US-10-171-311-94
; Sequence 94, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersch, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-311-94

```

```

Query Match      94.7%; Score 28.4; DB 15; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

```

RESULT 11
US-10-177-293-231
; Sequence 231, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic

```

```

; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Baet Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Puzatzi, Lajos
; APPLICANT: Meric, Penda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-231

```

```

Query Match      94.7%; Score 28.4; DB 15; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

```

RESULT 12
US-10-198-846-13039
; Sequence 13039, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinhilber, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13039
; LENGTH: 2462
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 2460, 2461, 2462
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13039

```

Query Match 94.7%; Score 28.4; DB 15; Length 2462;
Best Local Similarity 96.7%; Pred. No. 0.01;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
|||
DB 1296 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 1325

RESULT 13
US-09-962-436-295
; Sequence 295, Application US/09962436
; Patent No. US20020081301A1
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-R75
; CURRENT APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/60/235,082
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/234,924
; PRIOR FILING DATE: 2000-09-25
; NUMBER OF SEQ ID NOS: 568
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 295
; LENGTH: 4068
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-962-436-295

Query Match 94.7%; Score 28.4; DB 9; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.01;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
|||
DB 1093 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 14
US-09-954-531-182
; Sequence 182, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 182
; LENGTH: 4068
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-182

Query Match 94.7%; Score 28.4; DB 10; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.01;

Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
|||
DB 1093 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 15
US-09-954-531-387
; Sequence 387, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US/60/234,567
; PRIOR FILING DATE: 2000-09-22
; NUMBER OF SEQ ID NOS: 1392
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 387
; LENGTH: 4068
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-531-387

Query Match 94.7%; Score 28.4; DB 10; Length 4068;
Best Local Similarity 96.7%; Pred. No. 0.01;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 30
|||
DB 1093 ATCATGTGCTCCCTGCTGTTATCATGCCAAC 1122

Search completed: February 3, 2004, 23:51:22
Job time : 107.442 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 2, 2004, 15:10:27 ; Search time 14 Seconds
(without alignments)
75.555 Million cell updates/sec

Title: US-09-913-524-9
Perfect score: 143
Sequence: 1 PWSPALRLTGRPEEPGNAFCR 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--|
| 1 | 128 | 89.5 | 351 | 1 | US-08-197-792-39 Sequence 39, Appl |
| 2 | 128 | 89.5 | 351 | 1 | US-08-459-850-39 Sequence 39, Appl |
| 3 | 128 | 89.5 | 351 | 1 | US-08-459-214-39 Sequence 39, Appl |
| 4 | 127 | 88.8 | 364 | 1 | US-08-197-792-29 Sequence 29, Appl |
| 5 | 127 | 88.8 | 364 | 1 | US-08-459-850-29 Sequence 29, Appl |
| 6 | 127 | 88.8 | 364 | 1 | US-08-459-214-29 Sequence 29, Appl |
| 7 | 98 | 68.5 | 122 | 1 | US-08-581-529B-16 Sequence 16, Appl |
| 8 | 98 | 68.5 | 122 | 1 | US-08-455-559-22 Sequence 16, Appl |
| 9 | 98 | 68.5 | 122 | 2 | US-08-525-596B-26 Sequence 22, Appl |
| 10 | 98 | 68.5 | 122 | 2 | US-08-581-529B-16 Sequence 16, Appl |
| 11 | 98 | 68.5 | 122 | 3 | US-09-097-615-16 Sequence 16, Appl |
| 12 | 98 | 68.5 | 122 | 3 | US-09-177-860A-26 Sequence 26, Appl |
| 13 | 98 | 68.5 | 122 | 3 | US-08-624-635-18 Sequence 26, Appl |
| 14 | 98 | 68.5 | 122 | 3 | US-09-145-060-22 Sequence 22, Appl |
| 15 | 98 | 68.5 | 122 | 4 | US-09-629-938-26 Sequence 22, Appl |
| 16 | 98 | 68.5 | 122 | 5 | PCT-US94-00657-22 Sequence 22, Appl |
| 17 | 98 | 68.5 | 122 | 5 | PCT-US94-07762-16 Sequence 16, Appl |
| 18 | 98 | 68.5 | 122 | 5 | PCT-US94-07799-16 Sequence 16, Appl |
| 19 | 96 | 67.1 | 26 | 1 | US-08-197-792-1 Sequence 1, Appl |
| 20 | 96 | 67.1 | 26 | 1 | US-08-459-850-1 Sequence 1, Appl |
| 21 | 96 | 67.1 | 26 | 1 | US-08-459-214-1 Sequence 1, Appl |
| 22 | 94 | 65.7 | 121 | 1 | US-08-481-377-20 Sequence 20, Appl |
| 23 | 94 | 65.7 | 121 | 2 | US-08-491-835-18 Sequence 18, Appl |
| 24 | 94 | 65.7 | 121 | 3 | US-09-153-733A-20 Sequence 20, Appl |
| 25 | 94 | 65.7 | 121 | 3 | US-08-946-092A-18 Sequence 18, Appl |
| 26 | 94 | 65.7 | 121 | 3 | US-09-172-062-18 Sequence 18, Appl |
| 27 | 94 | 65.7 | 121 | 4 | US-09-301-520D-18 Sequence 18, Appl |

| | | | | | |
|----|------|------|------|---|---|
| 28 | 94 | 65.7 | 121 | 4 | US-09-389-705-20 Sequence 20, Appl |
| 29 | 94 | 65.7 | 121 | 5 | PCT-US94-00666-20 Sequence 20, Appl |
| 30 | 94 | 65.7 | 121 | 5 | PCT-US94-00685-18 Sequence 18, Appl |
| 31 | 73 | 51.0 | 27 | 2 | US-09-072-323-4 Sequence 4, Appl |
| 32 | 73 | 51.0 | 27 | 2 | US-09-072-323-6 Sequence 6, Appl |
| 33 | 68 | 47.6 | 116 | 1 | US-08-197-792-38 Sequence 38, Appl |
| 34 | 68 | 47.6 | 116 | 1 | US-08-459-850-38 Sequence 38, Appl |
| 35 | 68 | 47.6 | 116 | 1 | US-08-459-214-38 Sequence 38, Appl |
| 36 | 58 | 40.6 | 312 | 4 | US-09-252-991A-30114 Sequence 30114, A |
| 37 | 55.5 | 38.8 | 1832 | 3 | US-09-335-409-4 Sequence 4, Appl |
| 38 | 55.5 | 38.8 | 1832 | 4 | US-09-568-102-4 Sequence 4, Appl |
| 39 | 55.5 | 38.8 | 1832 | 4 | US-09-567-969-4 Sequence 4, Appl |
| 40 | 55.5 | 38.8 | 1832 | 4 | US-09-568-480-4 Sequence 4, Appl |
| 41 | 55.5 | 38.8 | 1832 | 4 | US-09-568-486-4 Sequence 4, Appl |
| 42 | 55.5 | 38.8 | 1832 | 4 | US-09-568-472-4 Sequence 4, Appl |
| 43 | 55.5 | 38.8 | 1832 | 4 | US-09-567-989-4 Sequence 4, Appl |
| 44 | 54 | 37.8 | 145 | 4 | US-09-252-991A-32524 Sequence 32524, A |
| 45 | 53 | 37.1 | 470 | 4 | US-09-252-991A-19467 Sequence 19467, A |

ALIGNMENTS

RESULT 1
US-08-197-792-39
; Sequence 39, Application US/08197792
; Patent No. 5525488
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Mason
; APPLICANT: Peter H. Seeburg
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Pacin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/197,792
; FILING DATE: 16-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297PD4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881

SEQUENCE CHARACTERISTICS:
LENGTH: 351 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-39

Query Match 89.5%; Score 128; DB 1; Length 351;
Best Local Similarity 88.0%; Pred. No. 1.3e-10;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAFAFCHR 25
DB 225 PMSPALRLQRPPEPSAFAFCHR 249

RESULT 4
US-08-197-792-29
Sequence 29, Application US/08197792
Patent No. 5525488
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/197,792
FILING DATE: 16-FEB-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-29

Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.8e-10;
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAFAFCHR 25
DB 238 PMSPALRLQRPPEPSAFAFCHR 262

RESULT 5
US-08-459-850-29
Sequence 29, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-29

Query Match 88.8%; Score 127; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 1.8e-10;
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHFCHR 25
DB 238 PMSPALRLQRPPEPSAHFCHR 262

RESULT 6

US-08-459-214-29
Sequence 29, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: pacin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Haasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/952-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 364 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-214-29

Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.8e-10;

Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHFCHR 25
DB 238 PMSPALRLQRPPEPSAHFCHR 262

RESULT 7

US-08-581-529B-16
Sequence 16, Application US/08581529B
Patent No. 5770444
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/581,529B
FILING DATE: 15-APR-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Hallie, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-529B-16

Query Match 68.5%; Score 98; DB 1; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHFCHR 25
DB 1 ALRLQRPPEPSAHFCHR 20

RESULT 8

US-08-455-559-22
Sequence 22, Application US/08455559
Patent No. 5801014
GENERAL INFORMATION:
APPLICANT: LEE, SE-JIN
APPLICANT: HUYNH, THANH
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SPENSLAY HORN JUBAS & LUBITZ

Query Match 88.8%; Score 127; DB 1; Length 364;
Best Local Similarity 88.0%; Pred. No. 1.8e-10;

```

STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,559
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/003,144
FILING DATE: 12-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: WETHERELL, JR. PH. D., JOHN R.
REGISTRATION NUMBER: 31,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/455-5100
TELEFAX: 619-455-5110

INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibit-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-455-559-22

Query Match 68.5% Score 98 DB 1 Length 122;
Best Local Similarity 90.0% Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCHR 25
Db 1 ALRLQRPPEPSAFAHANCHR 20

RESULT 9
US-08-525-596B-26
; Sequence 26, Application US/08525596B
; Patent No. 5827733
; GENERAL INFORMATION:
; APPLICANT: Huynh, Thanh
; APPLICANT: Lee, Se-Jin
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: LA Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,596B
; FILING DATE: 19-SEP-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

```

```

1 APPLICATION NUMBER: PCT/US94/07762
2 FILING DATE: 08-JUL-1994
3 ATTORNEY/AGENT INFORMATION:
4 NAME: Wetherell, Jr., Ph.D. John R.
5 REGISTRATION NUMBER: 31,678
6 REFERENCE/DOCKET NUMBER: 07265/075001
7 TELECOMMUNICATION INFORMATION:
8 TELEPHONE: 619-678-5070
9 TELEFAX: 619-678-5099
10 INFORMATION FOR SEQ ID NO: 26:
11 SEQUENCE CHARACTERISTICS:
12 LENGTH: 122 amino acids
13 TYPE: amino acid
14 TOPOLOGY: linear
15 MOLECULE TYPE: protein
16 IMMEDIATE SOURCE:
17 CLONE: Inhibin-alpha
18 FEATURE:
19 NAME/KEY: Protein
20 LOCATION: 1..122
21 US-08-525-5968-26
22
23 Query Match 68.5%; Score 98; DB 2; Length 123;
24 Best Local Similarity 90.0%; Pred. No. 7.7e-07;
25 Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0
26
27 QY 6 ALRLQRPPEPSAHAFCHR 25
28 |||||
29 1 ALRLQRPPEPSAHANCHR 20
30
31 RESULT 10
32 US-08-581-528A-16
33 Sequence 16, Application US/08581528A
34 Patent No. 5986058
35 GENERAL INFORMATION:
36 APPLICANT: Lee, Se-Jin
37 APPLICANT: Huynh, Thanh
38 TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7
39 NUMBER OF SEQUENCES: 21
40 CORRESPONDENCE ADDRESSES:
41 ADDRESSEE: Fish & Richardson, P.C.
42 STREET: 4225 Executive Square, Suite 1400
43 CITY: La Jolla
44 STATE: CA
45 COUNTRY: USA
46 ZIP: 92037
47 COMPUTER READABLE FORM:
48 MEDIUM TYPE: Floppy disk
49 COMPUTER: IBM PC compatible
50 OPERATING SYSTEM: PC-DOS/MS-DOS
51 SOFTWARE: Patentin Release #1.0, Version #1.25
52 CURRENT APPLICATION DATA:
53 APPLICATION NUMBER: US/08/581,528A
54 FILING DATE: 03-Sept-1993
55 CLASSIFICATION: 435
56 PRIOR APPLICATION DATA:
57 APPLICATION NUMBER: US 08/089,670
58 FILING DATE: 09-JUL-1993
59 CLASSIFICATION: 435
60 ATTORNEY/AGENT INFORMATION:
61 NAME: Lisa A. Halle, Ph.D.
62 REGISTRATION NUMBER: 38,347
63 REFERENCE/DOCKET NUMBER: 07265/081001
64 TELECOMMUNICATION INFORMATION:
65 TELEPHONE: 619/678-5070
66 TELEFAX: 619/678-5099
67 INFORMATION FOR SEQ ID NO: 16:
68 SEQUENCE CHARACTERISTICS:
69 LENGTH: 122 amino acids
70 TYPE: amino acid
71 STRANDEDNESS: single
72 TOPOLOGY: linear
73

```

MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-581-528A-16

Query Match 68.5%; Score 98; DB 2; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11
US-09-097-616-16
Sequence 16, Application US/09097616
Patent No. 6090563
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Huynh, Thanh
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Fish & Richardson
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,616
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/581,529
FILING DATE: 15-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/082001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-097-616-16

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 12
US-09-177-860A-26
Sequence 26, Application US/09177860A
Patent No. 6096506
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
APPLICANT: Lee, Se-Jin
TITLE OF INVENTION: ANTIODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-6 AN
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860A
FILING DATE: 23-OCT-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-09-177-860A-26

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 13
US-08-624-635-18
Sequence 18, Application US/08624635
Patent No. 6204047
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: Cunningham, No. 6204047een
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Spensley Horn Juba & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California

COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/624,635
FILING DATE: 16-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/134,078
FILING DATE: 08-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
US-08-624-635-18

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 14
US-09-145-060-22
Sequence 22, Application US/09145060
Patent No. 6245896
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/145,060
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,559
FILING DATE: 31-MAY-1995
APPLICATION NUMBER: 08/003,144
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:
NAME: Lisa A. Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/057001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
US-09-145-060-22

Query Match 68.5%; Score 98; DB 3; Length 122;
Best Local Similarity 90.0%; Pred. No. 7.7e-07;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25
|||
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 15
US-09-629-938-26
Sequence 26, Application US/09629938
Patent No. 6500664
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-jin
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION
FACTOR-8 AND METHODS OF USING SAME (Amended)
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich LLP
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: US
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/629,938
FILING DATE: 01-Aug-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/177,860
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D. Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07265/075003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 858-677-1456
TELEFAX: 858-677-1465
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using BW model

Run on: February 2, 2004, 15:14:52 ; Search time 27.5 Seconds
(without alignments)
188.931 Million cell updates/sec

Title: US-09-913-524-9
Perfect score: 143
Sequence: 1 PWSPALRLILQRPPEPSAHAFCHR 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 789580 seqs, 207824079 residues

Total number of hits satisfying chosen parameters: 789580

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09C_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 128 | 89.5 | 134 | 12 | US-10-125-187-2 |
| 2 | 128 | 89.5 | 367 | 10 | US-09-813-398-18 |
| 3 | 100 | 69.9 | 26 | 12 | US-09-930-915A-252 |
| 4 | 100 | 69.9 | 26 | 12 | US-10-082-014-74 |
| 5 | 100 | 69.9 | 26 | 12 | US-10-372-076-75 |
| 6 | 98 | 68.5 | 122 | 10 | US-09-813-459-18 |
| 7 | 98 | 68.5 | 122 | 10 | US-09-859-211-44 |
| 8 | 98 | 68.5 | 122 | 10 | US-09-880-708-22 |
| 9 | 98 | 68.5 | 122 | 11 | US-09-872-856-44 |
| 10 | 98 | 68.5 | 122 | 15 | US-10-335-483-26 |
| 11 | 94 | 65.7 | 121 | 14 | US-10-115-406-18 |
| 12 | 94 | 65.7 | 121 | 15 | US-10-154-333-20 |
| 13 | 73 | 51.0 | 14 | 12 | US-10-125-187-5 |
| 14 | 73 | 51.0 | 14 | 12 | US-10-125-187-38 |
| 15 | 70 | 49.0 | 14 | 12 | US-10-125-187-39 |

| | | | | | | |
|----|------|------|------|----|---------------------|-----------------------|
| 16 | 68 | 47.6 | 14 | 12 | US-10-125-187-7 | Sequence 7, Appl1 |
| 17 | 68 | 47.6 | 14 | 12 | US-10-125-187-37 | Sequence 37, Appl1 |
| 18 | 68 | 47.6 | 14 | 12 | US-10-125-187-41 | Sequence 41, Appl1 |
| 19 | 67 | 46.9 | 14 | 12 | US-10-125-187-6 | Sequence 6, Appl1 |
| 20 | 67 | 46.9 | 14 | 12 | US-10-125-187-40 | Sequence 40, Appl1 |
| 21 | 60 | 42.0 | 14 | 12 | US-10-125-187-8 | Sequence 8, Appl1 |
| 22 | 60 | 42.0 | 14 | 12 | US-10-125-187-42 | Sequence 42, Appl1 |
| 23 | 56.5 | 39.5 | 133 | 12 | US-10-108-260A-2916 | Sequence 2916, Appl1 |
| 24 | 56 | 39.2 | 14 | 12 | US-10-125-187-4 | Sequence 4, Appl1 |
| 25 | 56 | 39.2 | 14 | 12 | US-10-125-187-36 | Sequence 36, Appl1 |
| 26 | 55.5 | 38.8 | 1832 | 14 | US-10-014-717-4 | Sequence 4, Appl1 |
| 27 | 52.5 | 36.7 | 368 | 9 | US-09-768-703-2 | Sequence 2, Appl1 |
| 28 | 52.5 | 36.7 | 368 | 12 | US-10-272-983-6 | Sequence 6, Appl1 |
| 29 | 52.5 | 36.7 | 368 | 12 | US-10-312-094-3 | Sequence 3, Appl1 |
| 30 | 52.5 | 36.7 | 368 | 12 | US-10-393-807-6 | Sequence 6, Appl1 |
| 31 | 52.5 | 36.7 | 368 | 12 | US-10-417-820A-6 | Sequence 6, Appl1 |
| 32 | 52.5 | 36.7 | 368 | 15 | US-10-225-567A-627 | Sequence 67, Appl1 |
| 33 | 52.5 | 36.7 | 368 | 15 | US-10-220-382-4 | Sequence 4, Appl1 |
| 34 | 51 | 35.7 | 378 | 15 | US-10-103-313-434 | Sequence 434, Appl1 |
| 35 | 51 | 35.7 | 1018 | 15 | US-10-128-714-3585 | Sequence 3585, Appl1 |
| 36 | 51 | 35.7 | 1018 | 15 | US-10-128-714-8585 | Sequence 8585, Appl1 |
| 37 | 50.5 | 35.3 | 2439 | 14 | US-10-014-717-7 | Sequence 7, Appl1 |
| 38 | 50 | 35.0 | 454 | 15 | US-10-156-761-13939 | Sequence 13939, Appl1 |
| 39 | 50 | 35.0 | 854 | 12 | US-10-369-493-4880 | Sequence 4880, Appl1 |
| 40 | 50 | 35.0 | 869 | 12 | US-10-369-493-7638 | Sequence 7638, Appl1 |
| 41 | 49 | 34.3 | 50 | 10 | US-09-998-667-11 | Sequence 11, Appl1 |
| 42 | 49 | 34.3 | 92 | 12 | US-10-195-730-363 | Sequence 363, Appl1 |
| 43 | 49 | 34.3 | 101 | 12 | US-10-262-581-2 | Sequence 2, Appl1 |
| 44 | 49 | 34.3 | 145 | 12 | US-10-021-718-2 | Sequence 2, Appl1 |
| 45 | 49 | 34.3 | 228 | 10 | US-09-998-667-8 | Sequence 8, Appl1 |

ALIGNMENTS

RESULT 1
US-10-125-187-2
Sequence 2, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
TITLE OF INVENTION: METHODS OF USING SAME
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 134
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: alpha C fragment of human inhibin
US-10-125-187-2
Query Match 89.5%; Score 128; DB 12; Length 134;
Best Local Similarity 88.0%; Pred. No. 7.4e-09;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Cy 1 PWSPALRLILQRPPEPSAHAFCHR 25
Db 8 PWSPALRLILQRPPEPSAHAFCHR 32

```

RESULT 2
US-09-813-398-18
: Sequence 18, Application US/09813398
: Patent No. US20020169292A1
:
: GENERAL INFORMATION:
:
: APPLICANT: Bruce D. Weintraub
: APPLICANT: Mariusz W. Szklinski
: APPLICANT: University of Maryland
: TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
: FILE REFERENCE: USFMD. 003c1
: CURRENT APPLICATION NUMBER: US/09/813,398
: CURRENT FILING DATE: 2001-03-20
: PRIOR APPLICATION NUMBER: PCT/US99/05908
: PRIOR FILING DATE: 1999-03-19
: PRIOR APPLICATION NUMBER: PCT/US98/19772
: PRIOR FILING DATE: 1998-09-22
: NUMBER OF SEQ ID NOS: 41
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 18
:
: LENGTH: 367
: TYPE: prt
:
: ORGANISM: HOMO SAPIEN
:
: US-09-813-398-18

```

| | | | | |
|-----------------------|-------|-------------------------|-------|------------------------|
| Query Match | 89.5% | Score 128 | DB 10 | Length 367 |
| Best Local Similarity | 88.0% | Pred. No. 1,9e-08 | | |
| Matches | 22 | Conservative | 2 | Mismatches 1, Indels 0 |
| Qy | 1 | PWSPAAALRLQRPPEPSAAHFCR | 25 | |
| | | : | | |
| Db | 241 | PWSPAAALRLQRPPEPSAAHNCR | 265 | |

RESULT 3
 US-09-930-915A-252
 Sequence 252, Application US/09930915A
 Publication No. US20030138769A1
 GENERAL INFORMATION:
 APPLICANT: Biretco, Ashbury J.
 TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
 TITLE OF INVENTION: STABILITY
 FILE REFERENCE: 4564/83501 ICC-102.2 PCT
 CURRENT APPLICATION NUMBER: 2001-08-15
 PRIOR FILING DATE: 2000-08-22
 PRIOR FILING DATE: 2000-08-22, 867
 PRIOR APPLICATION NUMBER: 60/225,843
 PRIOR FILING DATE: 2000-08-16
 NUMBER OF SEQ ID NOS: 313
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 252
 LENGTH: 26
 TYPE: PRT
 ORGANISM: Bos taurus
 US-09-930-915A-252

```

Query Match          69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5.7e-06;
Matches      18; Conservative    1; Mismatches   0; Indels     0; Gaps     0;

QY           1 PMSPALRLORPPEPSA 19
              |||||:::-
Db            8 PMSPALRLORPPEPPAA 26

RESULT 4
US-10-082-014-74
; Sequence 74, Application US/10082014
; Publication No. US20030185858A1
; GENERAL INFORMATION:
; APPLICANT: Birkett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CYSTEINE
; FILE REFERENCE: ICC-130.0 4564/85124
```

```

? CURRENT APPLICATION NUMBER: US/10/082,014
? CURRENT FILING DATE: 2002-02-22
? PRIOR APPLICATION NUMBER: 09/930,915
? PRIOR FILING DATE: 2001-08-15
? NUMBER OF SEQ ID NOS: 290
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 74
? LENGTH: 26
? TYPE: PRT
? ORGANISM: Bovine Inhibin
US-10-082-014-74

```

| | | | | |
|-----------------------|--------------|--------------------|---------------|------------|
| Query Match | 69.9% | Score 100; | DB 12; | Length 26; |
| Best Local Similarity | 94.7% | Pred. No. 5.7e-06; | | |
| Matches 18; | Conservative | 1; | Mismatches 0; | Indels 0; |
| Gaps | | | | |
| Q7 | 1 | FWSPDAALRLQRPPEPSA | 19 | |
| | | | | : |
| DB | 8 | FWSPDAALRLQRPPEPSA | 26 | |

```

RESULT 5
US-10-372-076-75
; Sequence 75, Application US/10372076
; Publication NO. US20030198645A1
; GENERAL INFORMATION:
; APPLICANT: Page, Mark
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; TITLE OF INVENTION: CHRONIC HEPATITIS
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/372, 076
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-372-076-75

```

| | | | | | |
|----|-----------------------|-------|--------------|--------------|---------------------------------|
| | Query Match | 69.9% | Score 100; | DB 12; | length 26; |
| | Best Local Similarity | 94.7% | Pred. | No. 5.7e-06; | |
| | Matches | 18; | Conservative | 1; | Mismatches 0; Indels 0; Gaps 0; |
| Qy | 1 PMSPALRLRPPPEPSA | 19 | | | |
| | | | | | |
| | | | | | |
| Db | 8 PMSPALRLRPPPEPSA | 26 | | | |

RESULT 6
US-09-813-459-18
Sequence 18 Application US/09813459
Patent No. US20020107369A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-jin
Cunningham, No. US20020107369A1eem
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-1d
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley, Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible


```

1      OPERATING SYSTEM: PC-DOS/MS-DOS
2      SOFTWARE: Patent In Release #1.0, Version #1.25
3
4      CURRENT APPLICATION DATA:
5          APPLICATION NUMBER: US/09/813,459
6          FILING DATE: 20-Mar-2001
7          CLASSIFICATION: <Unknown>
8
9      PRIOR APPLICATION DATA:
10         APPLICATION NUMBER: 08/624,635
11         FILING DATE: <Unknown>
12
13     ATTORNEY/AGENT INFORMATION:
14         NAME: Wetherell, Jr., Ph.D., John R.,
15         REGISTRATION NUMBER: 31,678
16         REFERENCE/DOCKET NUMBER: PD-3054
17
18     TELECOMMUNICATION INFORMATION:
19         TELEPHONE: (619) 455-5100
20         TELEFAX: (619) 455-5110
21
22     INFORMATION FOR SEQ ID NO: 18:
23
24     SEQUENCE CHARACTERISTICS:
25         LENGTH: 122 amino acids
26         TYPE: amino acid
27         STRANDEDNESS: single
28         TOPOLOGY: linear
29
30     MOLECULE TYPE: protein
31
32     IMMEDIATE SOURCE:
33         CLONE: Inhibin-alpha
34
35     FEATURE:
36         NAME/KEY: Protein
37         LOCATION: 1..122
38
39     SEQUENCE DESCRIPTION: SEQ ID NO: 18:
40     US-09-813-459-18

```

| | | | | |
|-----------------------|-------|--------------------|-------|---------------------------------|
| Query Match | 68.5% | Score 98 | DB 10 | Length 122 |
| Best Local Similarity | 90.0% | Pred. No. 4,4e-05 | | |
| Matches | 18 | Conservative | 1 | Mismatches 1, Indels 0, Gaps 0, |
| Qy | 6 | ALRLQLRPPEPSAFAFCH | 25 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Db | 1 | ALRLQLRPPEPSAFAFCH | 20 | |

```

RESULT 7
US-09-859-211-44
: Sequence 44, Application US/09859211
Patent No. US20020157125A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: McPherson, Alexandra C.
FILE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
FILE REFERENCE: 07265/144001
CURRENT APPLICATION NUMBER: US/09/859,211
PRIOR APPLICATION NUMBER: 2001-05-15
PRIOR FILING DATE: 09/019,070
PRIOR APPLICATION NUMBER: 08/1998-02-05
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: 08/525,596
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: PCT/US94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-859-211-44

```

| | | | | |
|-----------------------|-------|-------------------|-------|--------------|
| Query Match | 68.5% | Score 98 | DB 10 | Length 122 |
| Best Local Similarity | 90.0% | Pred. No. 4 | 4e-05 | |
| Matches | 18 | Conservative | 1 | Mismatches 1 |
| | | | | Indels 0 |
| | | | | Gaps 0 |
| Cy | 6 | ATRLTORPPESAAHFCR | 25 | |
| | | | | |
| | | | | |
| Db | 1 | ATRLTORPPESAAHNCR | 20 | |

RESULT 8
 US-09-880-708-22
 Sequence 22, Application US/09880708
 Patent No. US2002016561A1
 GENERAL INFORMATION:
 APPLICANT: lee, Se-jin
 Huyuh, Thanh
 TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSER: Gray Cary Ware & Freidenrich LLP
 STREET: 4365 Executive Drive, Suite 1600
 CITY: San Diego
 STATE: CA
 COUNTRY: USA
 ZIP: 92121-2189
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows95
 SOFTWARE: FastSO for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/880, 708
 FILING DATE: 12-Jun-2001

APPLICATION NUMBER: 09/145,060
 FILING DATE: <Unknown>
 APPLICATION NUMBER: 08/003,144
 FILING DATE: 12-JAN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Lisa A. Haller, Ph.D.
 REGISTRATION NUMBER: 38,347
 REFERENCE/DOCKET NUMBER: 07265/057002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 858/677-1456
 TELEFAX: 619/677-1465
 INFORMATION FOR SEQ ID NO: 22:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 122 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 IMMEDIATE SOURCE:
 CLONE: Inhibit-alpha
 SEQUENCE DESCRIPTION: SEQ ID NO: 22:

```

Query Match          68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 4,4e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Oy      6 ALRLQRPPEEPPSAHAFCHR 25
        |||||
Db      1 ALRLQRPPEEPPSAHANCHR 20
        |||||

RESULT 9
US-09-872-856-44
; Sequence 44, Application US/99872856
; Publication No. US20030074680A1
; GENERAL INFORMATION:
; APPLICANT: Johns Hopkins University School of Medicine
; APPLICANT: Lee, Se-Jin
; APPLICANT: McPherron, Alexandra

```

FILE OF INVENTION: Growth Differentiation Factor-8
FILE REFERENCE: JH1120-17
CURRENT APPLICATION NUMBER: US/09/872,856
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 09/124,180
PRIOR FILING DATE: 1998-07-28
PRIOR APPLICATION NUMBER: US 09/019,070
PRIOR FILING DATE: 1998-02-05
PRIOR APPLICATION NUMBER: US 08/862,445
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: US 08/847,910
PRIOR FILING DATE: 1997-04-28
PRIOR APPLICATION NUMBER: US 08/795,071
PRIOR FILING DATE: 1997-02-05
PRIOR APPLICATION NUMBER: US 08/525,596
PRIOR FILING DATE: 1995-10-25
PRIOR APPLICATION NUMBER: PCT/US 94/03019
PRIOR FILING DATE: 1994-03-18
PRIOR APPLICATION NUMBER: US 08/033,923
PRIOR FILING DATE: 1993-03-19
NUMBER OF SEQ ID NOS: 53
SOFTWARE: Patentin version 3.1
SEQ ID NO 44
LENGTH: 122
TYPE: PRT
ORGANISM: Homo sapiens
US-09-872-856-44

Query Match 68.5%; Score 98; DB 11; Length 122;
Best Local Similarity 90.0%; Pred. No. 4.4e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 ALRLQRPPEPSAHAFCHR 25
1 ALRLQRPPEPSAHAFCHR 20

RESULT 10
US-10-335-483-26
Sequence 26, Application US/10335483
Publication No. US20030120058A1
GENERAL INFORMATION:
APPLICANT: Huynh, Thanh
Lee, Se-jin

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: PastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/335,483
FILING DATE: 31-Dec-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/177,860
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/525,596
FILING DATE: 19-SEP-1995
APPLICATION NUMBER: PCT/US94/07762
FILING DATE: 08-JUL-1994

ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D, John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07265/075001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-335-483-26

Query Match 68.5%; Score 98; DB 15; Length 122;
Best Local Similarity 90.0%; Pred. No. 4.4e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 ALRLQRPPEPSAHAFCHR 25
1 ALRLQRPPEPSAHAFCHR 20

RESULT 11
US-10-115-406-18

Sequence 18, Application US/10115406
Publication No. US20020127612A1
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: LEE, Se-jin

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9
FILE REFERENCE: JH1190-3
CURRENT APPLICATION NUMBER: US/10/115,406
CURRENT FILING DATE: 2002-04-02
PRIOR APPLICATION NUMBER: 09/301,520
PRIOR FILING DATE: 1999-04-28
PRIOR APPLICATION NUMBER: US 09/172,062
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 08/491,835
PRIOR FILING DATE: 1995-10-23
PRIOR APPLICATION NUMBER: PCT/US94/00685
PRIOR FILING DATE: 1994-01-12
PRIOR APPLICATION NUMBER: US 08/003,303
PRIOR FILING DATE: 1993-01-12
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Patentin version 3.0
SEQ ID NO 18
LENGTH: 121
TYPE: PRT
ORGANISM: Homo sapiens
US-10-115-406-18

Query Match 65.7%; Score 94; DB 14; Length 121;
Best Local Similarity 89.5%; Pred. No. 0.00014;
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

7 LRLQRPPEPSAHAFCHR 25
1 LRLQRPPEPSAHAFCHR 19

RESULT 12
US-10-154-333-20
Sequence 20, Application US/10154333
Publication No. US20030109684A1
GENERAL INFORMATION:
APPLICANT: JOHNS HOPKINS UNIVERSITY
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-3
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:

ADDRESSEE: SPENSLEY HORN JUBAS & LUBITZ
STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: US
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/154,333
FILING DATE: 21-May-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/389,705
FILING DATE: 03-Sep-1999
APPLICATION NUMBER: 09/153,733
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: WETTERBEIL, JR. Ph.D., JOHN R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: FD2279 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 121 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin alpha
FEATURE:
NAME/KEY: Proteolin
LOCATION: 1..121
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-154-333-20
Query Match 65.7%; Score 94; DB 15; Length 121;
Best Local Similarity 89.5%; Pred. NO. 0.00014;
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 7 LRLIQRPPPSAHAFCHR 25
Db 1 LRLIQRPPPSAHAFCHR 19
RESULT 13
US-10-125-187-5
Sequence 5, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin version 3.1
SEQ ID NO. 5

LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
US-10-125-187-5
Query Match 51.0%; Score 73; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. NO. 0.0085;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 2 WSPALRLIQRPP 15
Db 1 WSPALRLIQRPP 14
RESULT 14
US-10-125-187-38
Sequence 38, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: AU PQ 3485
PRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin version 3.1
SEQ ID NO. 38
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
US-10-125-187-38
Query Match 51.0%; Score 73; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. NO. 0.0085;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 2 WSPALRLIQRPP 15
Db 1 WSPALRLIQRPP 14
RESULT 15
US-10-125-187-39
Sequence 39, Application US/10125187
Publication No. US20030162229A1
GENERAL INFORMATION:
APPLICANT: MILNE-ROBERTSON, David M.
APPLICANT: STANTON, Peter G.
APPLICANT: CAHIR, Nicholas F.
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
FILE REFERENCE: 10338-9
CURRENT APPLICATION NUMBER: US/10/125,187
CURRENT FILING DATE: 2002-04-18
PRIOR APPLICATION NUMBER: PCT/AU00/01248
PRIOR FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: AU PQ 9162
PRIOR FILING DATE: 2000-08-03

```
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 6 of
; US-10-125-187-39

Query Match          49.0%; Score 70; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. No. 0.021;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      4 PAALRLQRPPEP 17
       |:|||||
Db      1 PSALRLQRPPEP 14

Search completed: February 2, 2004, 15:23:57
Job time : 27.5 secs
```